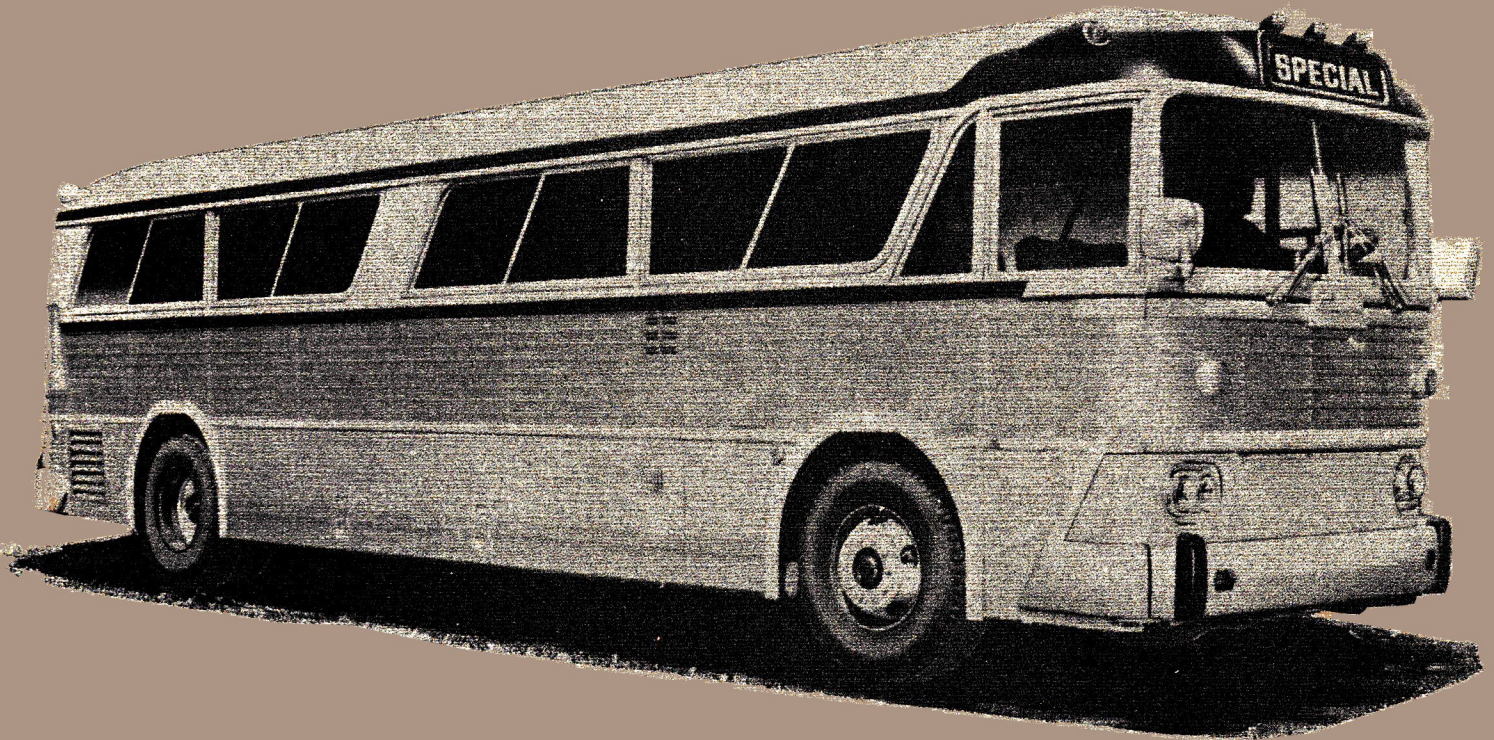




PARTS MANUAL

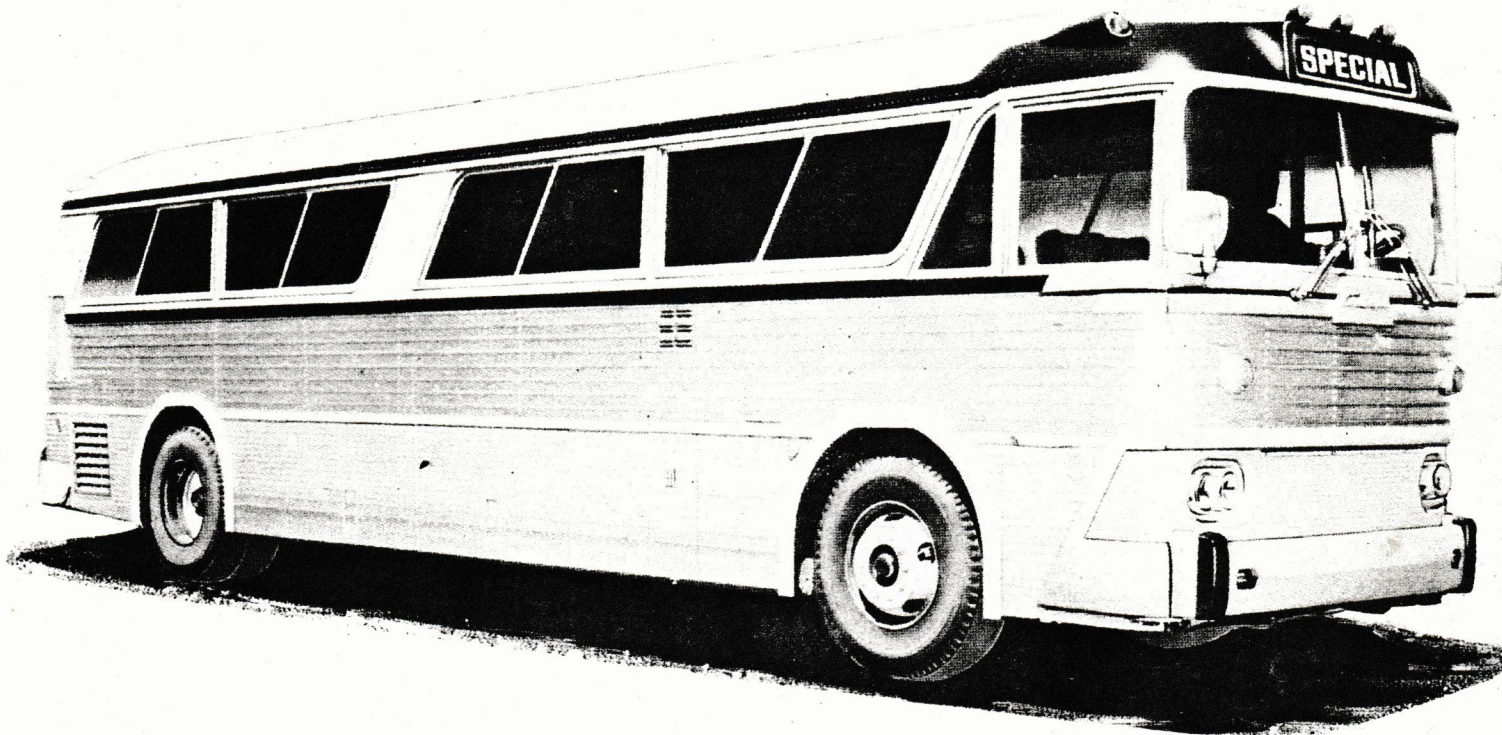


Challenger

MODEL MC-5A INTERCITY COACH



PARTS MANUAL



Challenger

MODEL MC-5A INTERCITY COACH

MOTOR COACH INDUSTRIES, INC.

PEMBINA, NORTH DAKOTA

Revision Service

This manual has been designed to allow quick and easy revision as required. From time to time as becomes necessary, revised or additional pages will be issued to keep this manual current. These should be inserted as soon as received in place of or in addition to pages originally supplied.

At intervals, lists will be issued showing the correct page dates which should be in the manual. This is for checking purposes. If it is found that the latest pages are not included, contact the manufacturer for the required material.



Service Bulletins will be issued from time to time to acquaint users with the latest service procedures. The number, date and title of such bulletins as pertain to this section should be noted below as soon as received. Bulletins should then be filed for future reference.

Subject

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are organized into three distinct vertical columns. Each column contains approximately 20 evenly spaced horizontal lines, providing a template for handwriting practice or note-taking. There are no margins, text, or other markings on the page.

GENERAL INFORMATION

This parts manual contains service parts for the Challenger Model MCC - 5A Intercity Coach.

The first page of each section has a black tab for quick reference. An index of sections appears immediately preceding the parts listings.

Each section is divided into groups of related parts. Parts within a group are listed in related sequence.

PARTS LOCATION

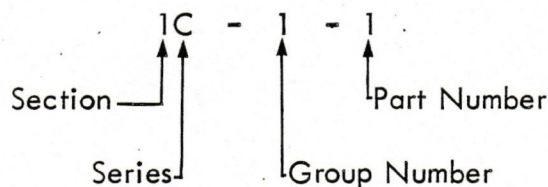
If Part Name Only Is Known:

Refer to alphabetical index in back of book. This index lists parts alphabetically by the part name followed by group or page number.

After the part name is located, refer to the corresponding group number. For Example: "Front Axle Assembly" - Group 1.01. The number "1" designates the section and the number ".01" designates the group.

If Part Number Only Is Known:

The part number includes digits which give the section and group number. For example:



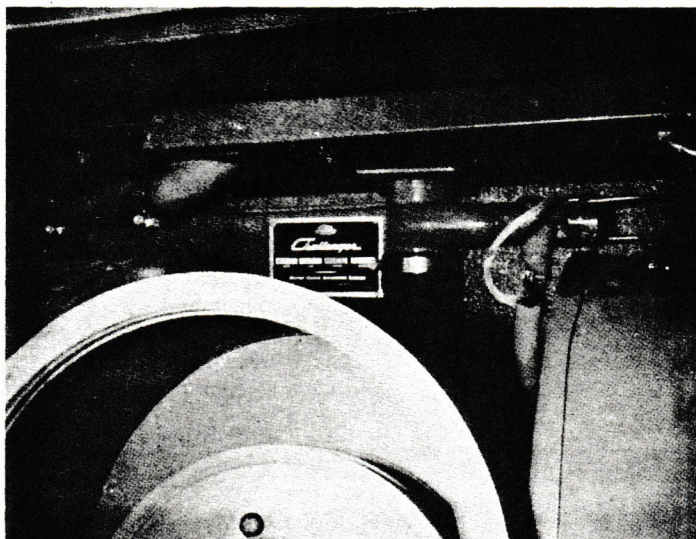
If part number only is known, refer to section as indicated by the first number, and group indicated by second digit or digits. Size of individual groups is such that parts can be readily located.

INSTRUCTIONS FOR ORDERING PARTS

1. Show correct part number, description and quantity required.
2. Include complete shipping instructions.
3. Coach identification is extremely important when ordering parts.
Coaches up to serial number 5400 should be identified by the serial number only.
Coaches after serial 5950 (Unit No. 5401) should be identified by unit number and serial number. Coach identification plates are located in the blower compartment and in front of the R.H. parcel rack.
4. Specify, when necessary, whether parts are right or left hand; front or rear, upper or lower. Left and right are determined by facing the same direction as the driver. A part which is designated "Front" is that nearest the front of the vehicle.



FRONT OF PARCEL RACK



BLOWER COMPARTMENT

ABBREVIATIONS

A/C	Air Conditioning	HD.	Head
A.C.	Alternate Current	H.D.	Heavy Duty
ADJ.	Adjusting	HEX.	Hexagon
AMP.	Ampere	H.P.	Horsepower
A.R.	As Required	HSG.	Housing
ASSY.	Assembly	HYD.	Hydraulic
B.H.M.S.	Brazier Head Machine Screw	I.D.	Inside Diameter
BRG.	Bearing	IN.	Inch
BLK. HD.	Bulkhead	INCL.	Includes
B.U.	Back Up	INST.	Installed
Bush.	Bushing	INT.	Internal
		INV. FL.	Inverted Flared
CAD. PL.	Cadmium Plated		
C.C.W.	Counter Clockwise	KPR.	Keeper
C.E.	Commutator End		
C/H	Central Heat	LAV.	Lavatory
CL.	Clean	LG.	Long
COMM.	Commutator	L.H.	Left Hand
COND.	Conditioning		
CONT'D.	Continued	M.S.	Mild Steel
CTL.	Cut To Length	MTD.	Mounted
C/W	Complete With	MTG.	Mounting
C.W.	Clockwise		
		N.C.	National Coarse
D.C.	Double Contact	NEG.	Negative
D.E.	Drive End	N.F.	National Fine
DEL. PORT	Delivery Port		
DIA.	Diameter	O.C.	Outside Circumference
DIFF.	Differential	O.D.	Outside Diameter
DIM.	Dimension	O.H.	Oval Head
EFF.	Effective	O.H.M.	Oval Head Machine
EXT.	External	O/S	Oversize
EXTRU.	Extrusion	OPT.	Optional
		PASS.	Passenger
F.H.	Flat Head	P.E.	Pump End
FIL. HD.	Fillister Head	PH. RD. HD.	Phillips Round Head
F.I.P.	Female Internal Pipe	PH. REC. PK.	Phillips Reversal Parkerized
FRT.	Front	PH. REC. SEMS	Phillips Recessed Sems
FT.	Foot or Feet	POS.	Positive
FTG.	Fitting	P.S.	Power Steering
FWD.	Forward	P.S.I.	Pounds per Square Inch
FWG.	Following	PT.	Point
GA.	Gauge	RAD.	Radiator
GAL.	Gallon	REINF.	Reinforcing
GALV.	Galvanized	REQ'D	Required

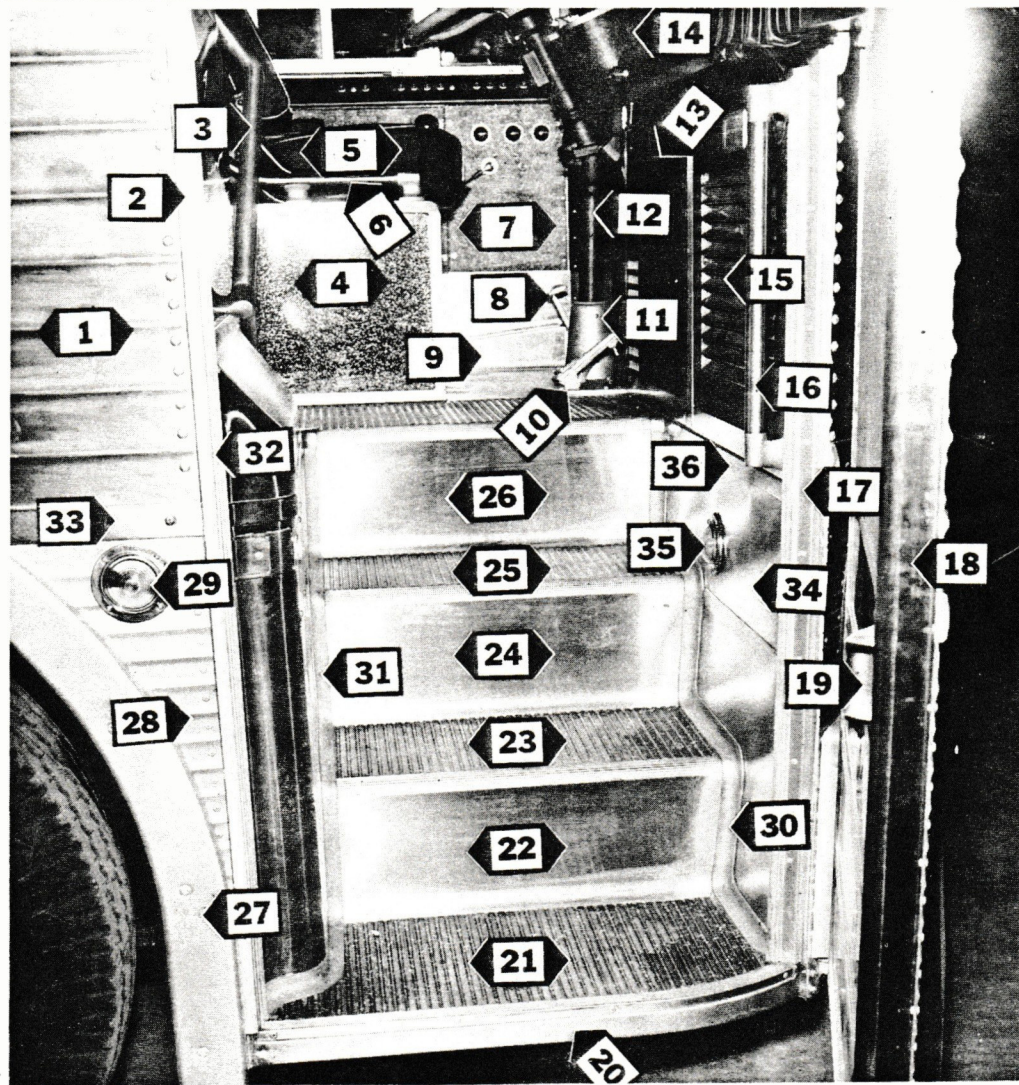
R.H.	Right Hand	TEMP.	Temperature
R.H.M.	Round Head Machine	THD.	Thread
		TR.	Treated
S/A	Sub-Assembly	TR. HD.	Truss Head
S.C.	Single Contact		
SCR.	Screw	U.N.F.	Unified Screw Thread Fine
SH. MET.	Sheet Metal	U/S	Undersize
S.L.	Special List	V.	Volt
S.D.A.	Sold Only As Assembly	Vert.	Vertical
SPEEDO.	Speedometer		
SPL.	Splined	W/	With
STN.	Stainless	W/O	Without
STL.	Steel	W/S	Windshield
S.W.	Stewart Warner	XMBR.	Crossmember
		YD.	Yard

CHALLENGER PARTS IDENTIFICATION GUIDE

PAGE 1

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MODEL MC-5A & MCC-5A

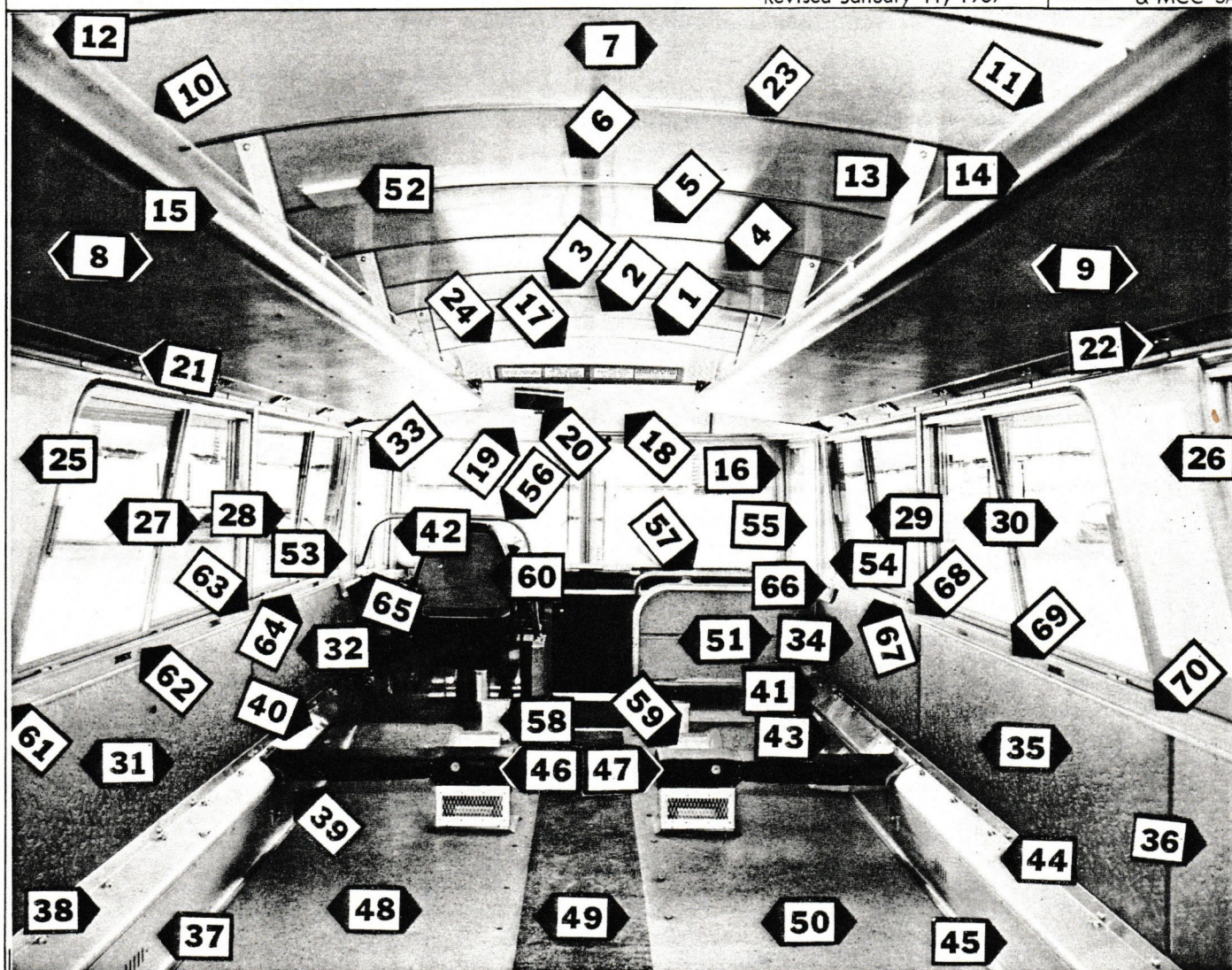


REFER TO PARTS BOOK UNDER GROUPS INDICATED BY PART NUMBER FOR DETAILED BREAKDOWN

KEY	PART NO.	DESCRIPTION	KEY	PART NO.	DESCRIPTION
1	3C-35-11	Panel - #1 R.H. Behind Entrance Door - Upper	15xx	3C-1-63	Dash Door Assy. - R.H. Complete (Specify Vinyl Covering)
2	3C-32-15	Bumper & Retainer Assy. - Vertical - Rear of Entrance Door	15+x	3C-1-139	Dash Door Assy. - R.H. Complete (Specify Vinyl Covering)
3	3C-2-59	Grab Rail Assembly - Modesty Panel - Compl.	16	3C-1-111	Grab Rail Assembly - Step Well
4	3C-3-17	Panel S/A - Closing - Complete	17	3B-32-2	Extrusion S/A - Entrance Door Seal on Frame - Front
5/	3C-12-2	Driver's Seat Assembly - Complete (National)	18	3C-32-21	Entrance Door Assembly - Complete
5/	3C-12-49	Driver's Seat Assembly - Complete (American)	19	3B-10-74	Latch Pad - On Entrance Door
6	3C-3-14	Driver's Guard Rail Assembly - Complete	20	3C-51-19	Channel S/A - Front R.H. Curved Tire Floor Truss
7#	7B-13-86	Door S/A - Front - With Radio & P.A. System	21	3C-4-27	Step Tread - Lower (Specify Tread Color)
7##	7C-13-201	Door S/A - Front - With Radio & P.A. System	22	3C-4-15	Kick Panel - Lower
8	5C-5-33	Clutch Pedal Assembly - C/W Pad	23	3C-4-26	Step Tread - Center (Specify Tread Color)
9	3C-17-177	Panel S/A - Driver's Footrest	24	3C-4-16	Kick Panel - Center
10	4C-15-13	Accelerator & Brake Pedal Assembly - C/W Base	25	3C-4-25	Step Tread - Upper (Specify Tread Color)
11	11C-2-34	Base Cover - Steering Column at Floor	26	3C-4-17	Kick Panel - Upper
12	11C-2-68	Jacket Tube Assembly - Lower	27	3C-23-12	Fender Assy. - R.H. Front - C/W rubber
13	3C-1-54	Door Assembly - L.H. Driver's Heater and Defroster (Specify Vinyl Covering)	NOTE: For coaches without rubber fenders prior to Unit 5869, the following fender assys. are used:		
14x	3C-75-58	Dash Panel S/A - Complete (Specify Vinyl Covering)			
14xx	3C-75-64	Dash Panel S/A - Complete (Specify Vinyl Covering)			
14+x	3C-75-65	Dash Panel S/A - Complete (Specify Vinyl Covering)	3A-23-17	Fender Assy. - L.H. Front	
			3A-23-18	Fender Assy. - R.H. Front	

KEY	PART NO.	DESCRIPTION	KEY	PART NO.	DESCRIPTION
28	3A-35-186	Panel - R.H. Front of Front Wheelhousing			
29	7A-7-103	Marker Light Assy. - Front Side Approach Amber			
30	3C-4-52	Cove Molding S/A - Step Well Front - C/W Studs			
31	3C-4-59	Cove Molding S/A - Step Well Rear - C/W Studs			
32	3B-32-5	Extrusion S/A - Entrance Door Seal on Frame - Rear			
33	3C-20-47	Molding - Belt - Front of Front Wheel - R.H.			
34*	3C-4-2	Panel - Front Side Wall			
34**	3C-4-43	Panel - Front Side Wall			
35	7A-7-105	Light Assembly - Front of Step Well - Cl.Lens			
36	3C-4-18	Trim Angle S/A - Top of Front Side Panel			
*		Effective Prior to Unit No. 5401			
**		Effective With Unit No. 5401			
x		Effective Prior to Unit No. 5638			
xx		Effective From Unit No. 5638 to 5918			
tx		Effective With Unit No. 5918			
#		Effective Prior to Unit No. 5745			
##		Effective With Unit No. 5745			
/		Optional Equipment			

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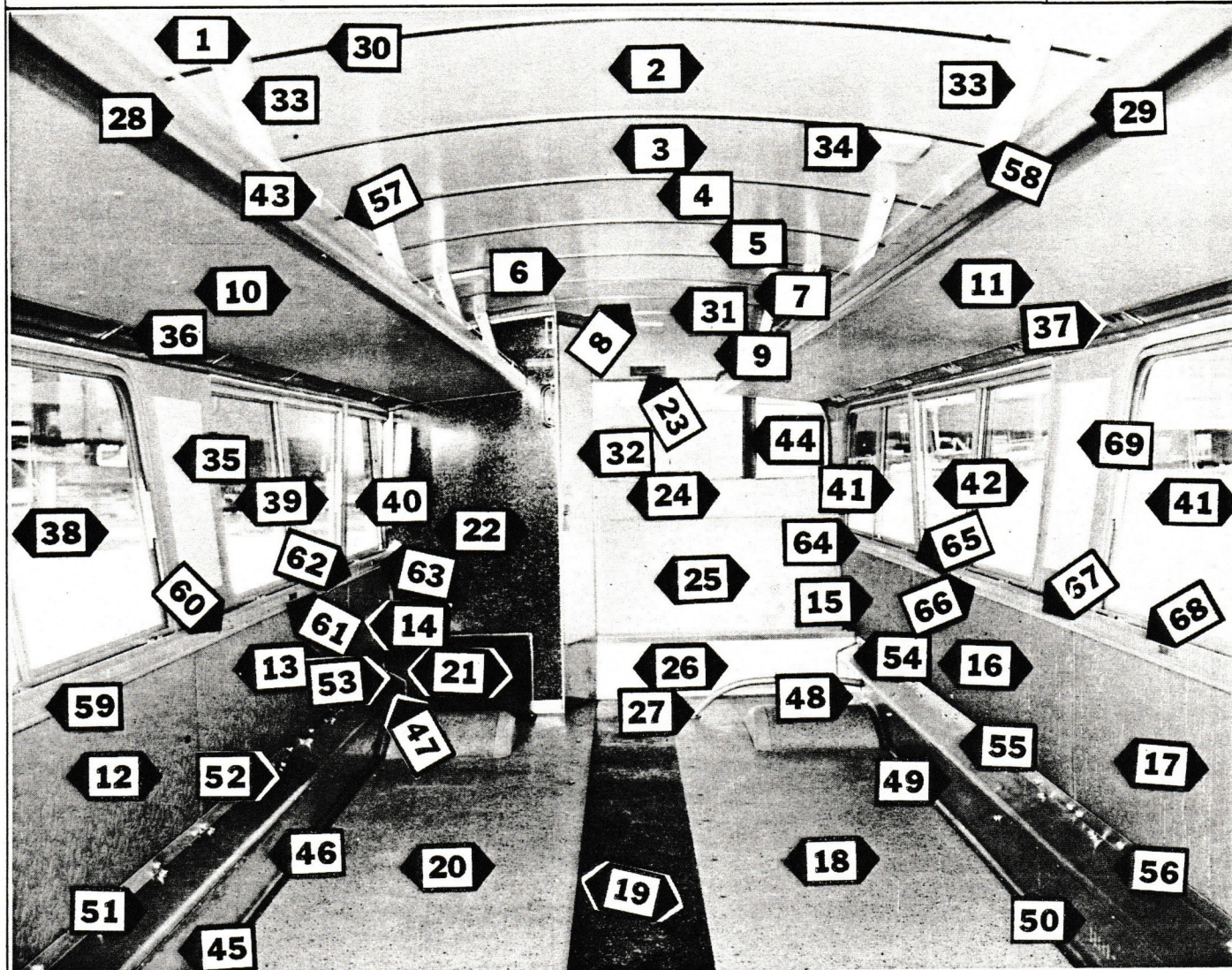
MC-5A
MODEL & MCC-5A

REFER TO PARTS BOOK UNDER GROUPS INDICATED BY PART NUMBER FOR DETAILED BREAKDOWN

KEY	PART NO.	DESCRIPTION	KEY	PART NO.	DESCRIPTION
1	3C-16-323	Ceiling Panel - #1 From Front	22	7B-7-66	Light Assembly - R.H. Passenger Reading
2	3C-16-324	Ceiling Panel - #2 From Front	23	3C-16-365	Molding - Standard Ceiling Panel Joints (11 per)
3	3C-16-325	Ceiling Panel - #3 From Front	24	3C-16-364	Molding - Front Ceiling Panel Joint
4	3C-16-326	Ceiling Panel - #4 From Front	25x	3C-16-458	Post Cap - L.H. between Side Window
5	3C-16-327	Ceiling Panel - #5 From Front	25xx	3C-16-30	Post Cap - L.H. between Side Window
6	3C-16-328	Ceiling Panel - #6 From Front	26x	3C-16-459	Post Cap - R.H. between Side Window
7	3C-16-329	Ceiling Panel - #7 From Front	26xx	3C-16-26	Post Cap - R.H. between Side Window
8	3C-8-104	Panel S/A - Bottom L.H. Luggage Rack	27	3C-27-263	Horizontal Sliding Sash Assembly - #2 L.H.
9	3C-8-117	Panel S/A - Bottom R.H. Luggage Rack (Used with Lav.)	28	3C-27-245	Horizontal Sliding Sash Assembly - #1 L.H.
10	3C-8-168	Cord - Luggage Rack L.H. & R.H. (Used without Lav.)	29	3C-27-222	Horizontal Sliding Sash Assembly - #1 R.H.
11	3C-8-167	Cord - Luggage Rack (Used with Lav.)	30	3C-27-256	Horizontal Sliding Sash Assembly - #2 R.H.
12	3A-8-6	Eyelet - Luggage Rack Cord	31	3C-16-293	Panel S/A - Side Wall Air Dimpled - #2 L.H.
13	3C-8-1	Post - Luggage Rack	32	3C-16-290	Panel S/A - Side Wall Air Dimpled - #1 L.H.
14	3C-8-101	Trim Extrusion - R.H. Luggage Rack (Used with Lav.)	33	3C-14-41	Driver's Window Assembly - Complete
15	3C-8-100	Trim Extrusion - L.H. Luggage Rack	34	3C-16-299	Panel S/A - Side Wall Air - Dimpled #1 R.H.
16	3C-16-351	Cap S/A - R.H. Windshield Post - C/W Vinyl	35	3C-16-301	Panel S/A - Side Wall Air - Dimpled #2 R.H.
17	3C-16-372	Ceiling Panel - Front Center	36	3C-16-303	Panel S/A - Side Wall Air - Dimpled #3 R.H.
18	3C-25-6	Destination Sign Box - Complete	37	3C-17-164	Heater Duct S/A - #2 L.H.
19	3C-5-1	Sunvisor Assembly - L.H. Complete	38	3C-17-91	Seat Rail S/A - #2 L.H. Complete
20	3B-6-1	Rear View Mirror Assembly - Interior	39	3C-17-156	Heater Duct - #1 L.H.
21	7B-7-42	Light Assembly - L.H. Passenger Reading	40	3C-17-85	Seat Rail S/A - #1 L.H. Complete
			41*	3C-17-109	Seat Rail S/A - #1 R.H. (Used with Lav.)
			41**	3C-17-337	Seat Rail S/A - #1 R.H. Front Section (Used With Lav.)

KEY	PART NO.	DESCRIPTION	KEY	PART NO.	DESCRIPTION
**	3C-17-339	Seat Rail S/A - #1 R.H. Rear Section (Used with Lav.)			
42	3C-16-353	Cap S/A - L.H. Windshield Post - C/W Vinyl			
43*	3C-17-132	Heater Duct S/A - #1 R.H.			
43**	3C-17-324	Heater Duct S/A - #1 R.H. Front Section			
43**	3C-17-327	Heater Duct S/A - #1 R.H. Rear Section			
44	3C-17-114	Seat Rail S/A - #2 R.H. (Used with Lav.)			
45	3C-17-146	Heater Duct S/A - #2 R.H.			
46	3C-17-195	Duct S/A - L.H. Air Intake - Complete			
47	3C-17-196	Duct S/A - R.H. Air Intake - Complete			
48	3C-18-22	Floor Covering - L.H. (Specify Material & Color)			
49	3B-18-20	Floor Covering - Center Aisle (Specify Material & Color)			
50	3B-18-15	Floor Covering - R.H. (Specify Material & Color)			
51+	3C-2-51	Modesty Panel Assembly - Complete			
51++	3C-2-69	Modesty Panel Assembly - Complete			
52	7C-8-94	Speaker & Baffle S/A - P.A. System			
53	3C-27-286	Triangular Window Assembly - L.H.			
54	3C-27-287	Triangular Window Assembly - R.H.			
55	3C-27-171	Entrance Door Window Assembly - Complete			
56	3C-3-14	Driver's Guard Rail Assembly			
57	3C-2-59	Grab Rail S/A - Modesty Panel			
58	3C-17-43	Duct S/A - Recirculating - Front			
59	3C-17-52	Duct S/A - Recirculating - Center			
60/	3C-12-2	Driver's Seat Assembly - Complete (National)			
60/	3C-12-49	Driver's Seat Assembly - Complete (American)			
61	3C-27-208	Trim Bar - Center Side Window			
62	3C-27-189	Sash Release Bar - #2 L.H.			
63	3C-27-207	Trim Bar - #2 L.H.			
64	3C-27-190	Sash Release Bar - #1 L.H.			
65	3C-27-205	Trim Bar - Front L.H. Offset			
66	3C-27-206	Trim Bar - Front R.H. Offset			
67	3C-27-186	Sash Release Bar - #1 R.H.			
68	3C-27-207	Trim Bar - #2 R.H.			
69	3C-27-185	Sash Release Bar - #2 R.H.			
70	3C-27-208	Trim Bar - Center Side Window			
+		Effective Prior to Unit No. 5401			
++		Effective With Unit No. 5401			
/		Optional Equipment			
*		Effective Prior to Unit No. 5501			
**		Effective With Unit No. 5501			
x		Effective Prior to Unit No. 5856			
xx		Effective With Unit No. 5856			

Revised January 12, 1967

MODEL MC-5A &
MCC-5A

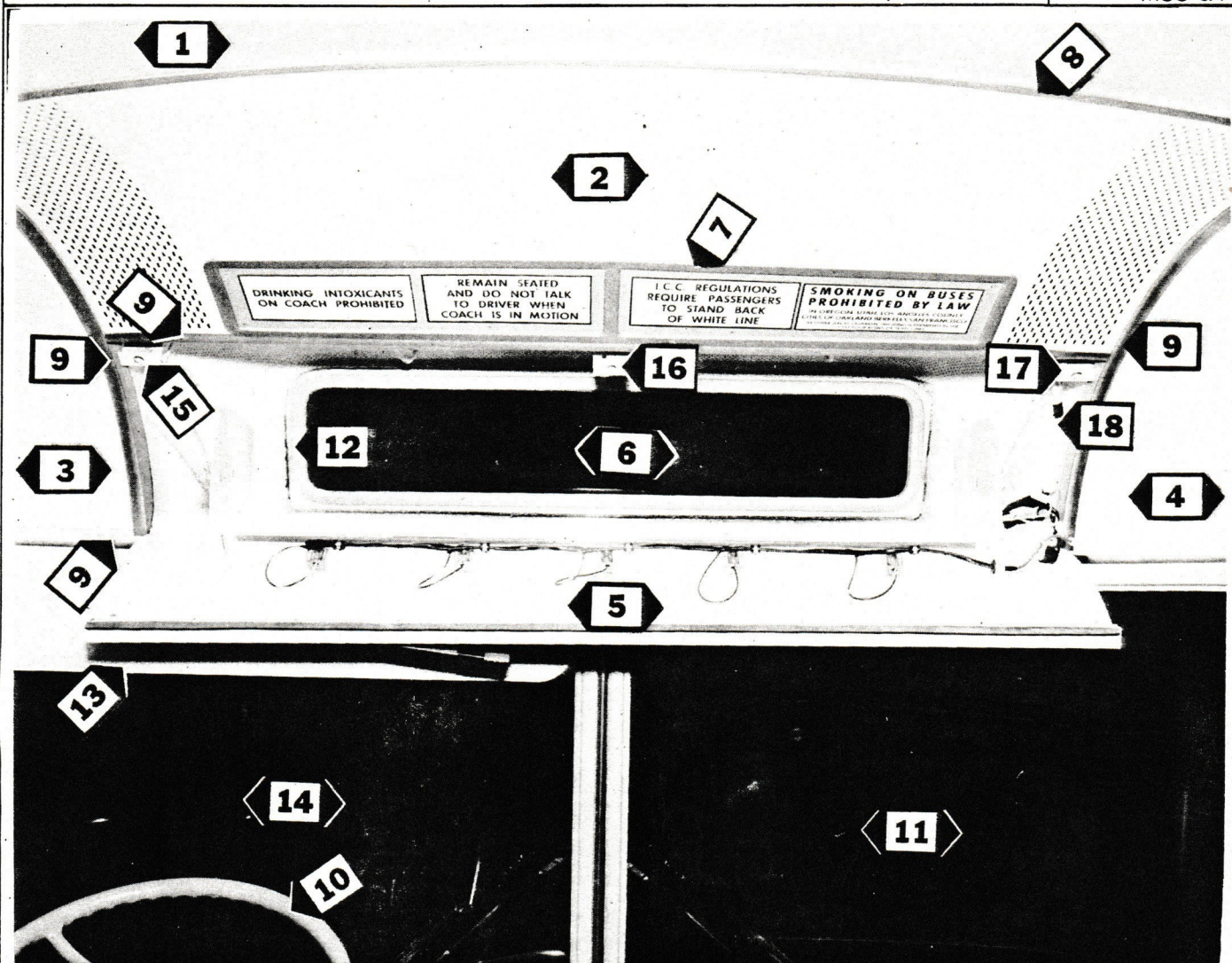
REFER TO PARTS BOOK UNDER GROUPS INDICATED BY PART NUMBER FOR DETAILED BREAKDOWN

KEY	PART NO.	DESCRIPTION	KEY	PART NO.	DESCRIPTION
1	3C-16-326	Ceiling Panel - #4 From Front	21	17C-2-27	Waste Water Tank Assembly - C/W Covering
2	3C-16-327	Ceiling Panel - #5 From Front	22x	17C-3-70	Panel Assy. - Lavatory Front Wall
3	3C-16-328	Ceiling Panel - #6 From Front	22xx	17C-3-112	Panel Assy. - Lavatory Front Wall
4	3C-16-329	Ceiling Panel - #7 From Front	23	3B-15-20	Nameplate - (Do Not Open - Emergency Only)
5	3C-16-330	Ceiling Panel - #8 From Front	24+	3B-16-135	Panel S/A - L.H. Rear of Rear Cross Seat Back
6	3C-16-331	Ceiling Panel - #9 From Front	24++	3C-16-384	Panel S/A - L.H. Rear of Rear Cross Seat
7	3C-16-332	Ceiling Panel - #10 From Front	25=	3B-16-123	Panel S/A - Rear Cross Seat Lining (With Lav.)
8	3C-16-414	Ceiling Panel - #11 From Front			Less Inspection Door Hole
9	3C-16-254	Ceiling Panel - Above Rear Center Window	25=	3C-16-473	Panel S/A - Rear Cross Seat Lining (With Lav.)
10	3C-8-117	Panel S/A - Bottom R.H. Luggage Rack (Used with Lavatory)			With Hole for Inspection Door
11	3C-8-104	Panel S/A - Bottom L.H. Luggage Rack	26	3C-16-417	Panel S/A - Rear Cross Seat Kick
12	3C-16-301	Panel S/A - Side Wall Air - Dimpled #2 R.H.	27	7A-8-80	Tube & Plate S/A - Tachograph Cable
13	3C-16-303	Panel S/A - Side Wall Air - Dimpled #3 R.H.	28	3C-8-101	Trim Extrusion - R.H. Luggage Rack (With Lavatory)
14	3C-16-307	Panel S/A - Side Wall Air - Dimpled #4 R.H. (Used with Lav.)	29	3C-8-100	Trim Extrusion - L.H. Luggage Rack
15	3C-16-297	Panel S/A - Side Wall Air - Dimpled #4 L.H.	30	3C-16-365	Molding - Ceiling Panel Joint (11 per)
16	3C-16-295	Panel S/A - Side Wall Air - Dimpled #3 L.H.	31	3C-16-366	Molding - Rear Ceiling Panel Joint (1 per)
17	3C-16-293	Panel S/A - Side Wall Air - Dimpled #2 L.H.	32	17C-3-66	Door Panel Assembly - Lavatory
18	3C-18-22	Floor Covering - L.H. (Specify Material and Color)	33	3C-8-1	Post - Luggage Rack Mounting
19	3B-18-20	Floor Covering - Center Aisle (Specify Material and Color)	34	7C-8-94	Speaker & Baffle S/A - P.A. System
20	3B-18-15	Floor Covering - R.H. (Specify Material and Color)	35#	3C-16-459	Post Cap - R.H. Between Side Windows
			35##	3C-16-26	Post Cap - R.H. Between Side Windows

KEY	PART NO.	DESCRIPTION	KEY	PART NO.	DESCRIPTION
36	7B-7-66	Light Assembly - R.H. Passenger Reading			
37	7B-7-42	Light Assembly - L.H. Passenger Reading			
38	3C-27-256	Horizontal Sliding Sash Assembly - #2 R.H. Complete			
39	3C-27-222	Horizontal Sliding Sash Assembly - #3 R.H. Complete			
40*	3C-27-273	Horizontal Sliding Sash Assembly - #4 R.H. Complete (Used with Lavatory)			
40**	3C-27-280	Horizontal Sliding Sash Assembly - #4 R.H. Complete (Used with Lavatory)			
41	3C-27-263	Horizontal Sliding Sash Assembly - #2 & 4 L.H. Complete			
42	3C-27-245	Horizontal Sliding Sash Assembly - #3 L.H. Complete			
43	3A-8-6	Eyelet - Luggage Rack Cord Retaining			
44	3C-77-29	Post S/A - Rear L.H. Window - Vertical			
45	3C-17-146	Heater Duct S/A - #2 R.H.			
46	3C-17-149	Heater Duct S/A - #3 R.H.			
47	3C-17-151	Heater Duct S/A - #4 R.H.			
48	3C-17-168	Heater Duct S/A - #4 L.H.			
49	3C-17-166	Heater Duct S/A - #3 L.H.			
50	3C-17-164	Heater Duct S/A - #2 L.H.			
51	3C-17-114	Seat Rail S/A - #2 R.H. (Used with Lav.)			
52	3C-17-119	Seat Rail S/A - #3 R.H. (Used with Lav.)			
53	3C-17-124	Seat Rail S/A - #4 R.H. (Used with Lav.)			
54	3C-17-103	Seat Rail S/A - #4 L.H. Complete			
55	3C-17-98	Seat Rail S/A - #3 L.H. Complete			
56	3C-17-91	Seat Rail S/A - #2 L.H. Complete			
57	3C-8-167	Cord - Luggage Rack with lavatory			
58	3C-8-168	Cord - Luggage Rack without lavatory - L.H. & R.H.			
59	3C-27-185	Sash Release Bar - #2 R.H.			
60	3C-27-208	Trim Bar R.H. - Center Side Window			
61	3C-27-182	Sash Release Bar - #3 R.H.			
62	3C-27-207	Trim Bar - #4 R.H.			
63	3C-27-183	Sash Release Bar - #4 R.H.			
64	3C-27-188	Sash Release Bar - #4 L.H.			
65	3C-27-207	Trim Bar - #4 L.H.			
66	3C-27-187	Sash Release Bar - #3 L.H.			
67	3C-27-208	Trim Bar - L.H. Center Side Window			
68	3C-27-189	Sash Release Bar - #2 L.H.			
69#	3C-16-458	Post Cap - L.H. Between Side Window			
59##	3C-16-30	Post Cap - L.H. Between Side Window			
*		Effective Prior to Unit No. 5622			
**		Effective With Unit No. 5622			
x		Effective Prior to Unit No. 6001			
xx		Effective With Unit No. 6001			
#		Effective Prior to Unit No. 5856			
##		Effective With Unit No. 5856			
+		Effective Prior to Unit No. 5341			
++		Effective With Unit No. 5341			
=		Effective Prior to Unit No. 5795			
==		Effective With Unit No. 5795			

Revised January 12, 1967

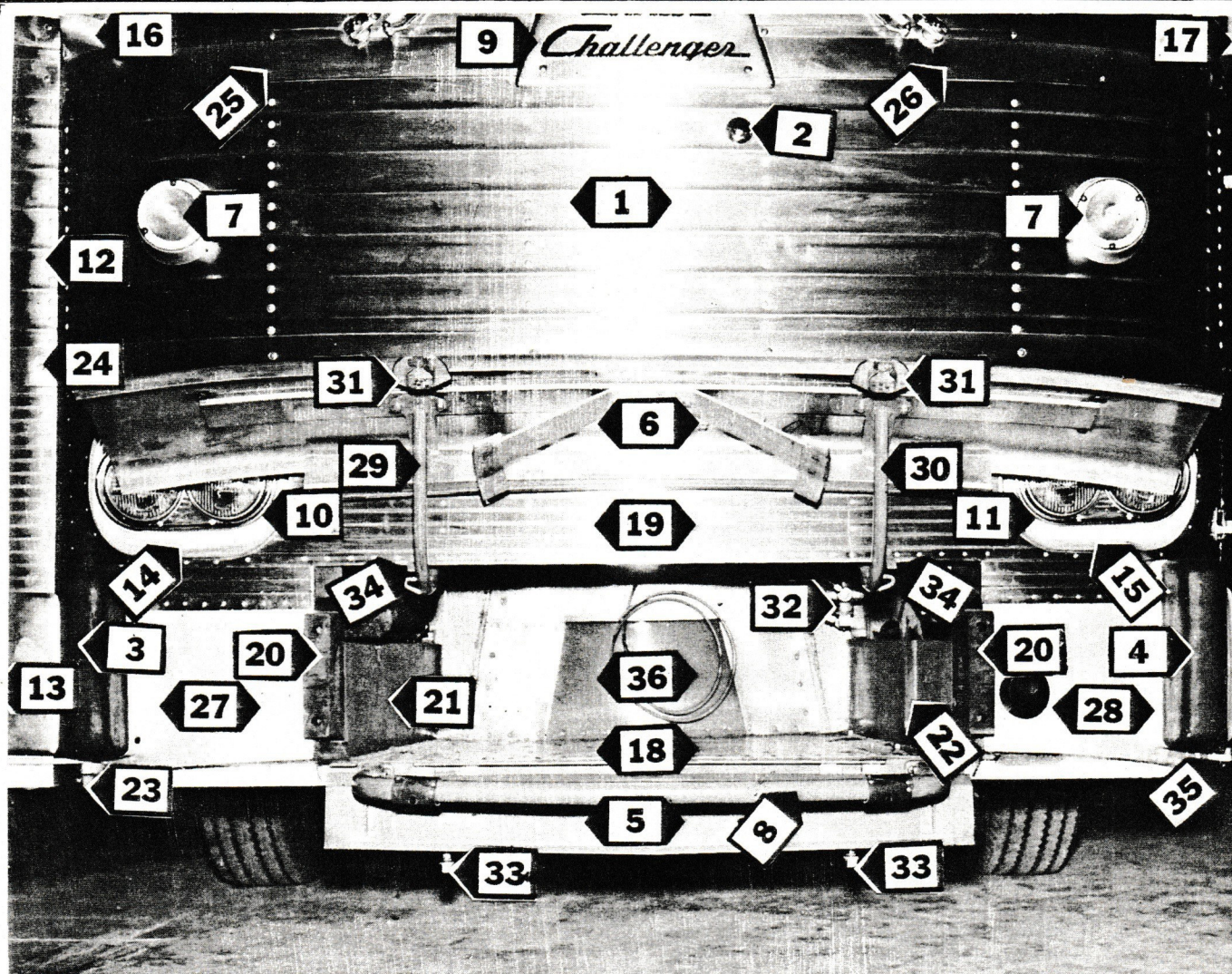
MODEL MC-5A & MCC-5A



REFER TO PARTS BOOK UNDER GROUPS INDICATED BY PART NUMBER FOR DETAILED BREAKDOWN

KEY	PART NO.	DESCRIPTION	KEY	PART NO.	DESCRIPTION
1	3C-16-323	Panel - Ceiling #1 From Front	18*	7B-12-45	Harness - Destination Sign
2	3C-16-372	Panel - Ceiling - Front Center	18**	7C-12-224	Harness - Destination Sign
3	3C-16-233	Panel - Ceiling - L.H. Front Corner			
4	3C-16-234	Panel - Ceiling - R.H. Front Corner	*		Effective Prior to Unit No. 5441
5	3C-25-6	Destination Sign Box Assembly - Complete	**		Effective With Unit No. 5441
6	3B-25-38	Glass - Destination Sign	/		Optional Equipment
7	3C-15-96	Panel - Large - Decals Mounting			
8	3C-16-364	Molding - For Front Ceiling Panel Joints			
9	3C-16-3	Molding - Ceiling Finish (Specify Length)			
9	3C-16-4	Retainer - Ceiling Molding (Specify Length)			
10/	11C-2-55	Steering Wheel (Power Steering)			
10/	11C-2-57	Steering Wheel (Standard)			
11	3A-27-298	Windshield Assembly - R.H. Complete with Rubber Channel & Weatherstripping.			
12	3A-25-89	Weather Strip - Destination Sign Glass			
13	3C-5-1	Sun Visor Assembly - L.H. Complete			
14	3A-27-297	Windshield Assembly - L.H. Complete with Rubber Channel & Weatherstripping			
15	3C-75-15	Bracket S/A - Destination Sign Door Lock Mounting L.H.			
16	3C-75-6	Bracket S/A - Destination Sign Door Lock Mounting Center			
17	3C-75-56	Z-Bracket S/A - Destination Sign Door Lock Mounting R.H.			

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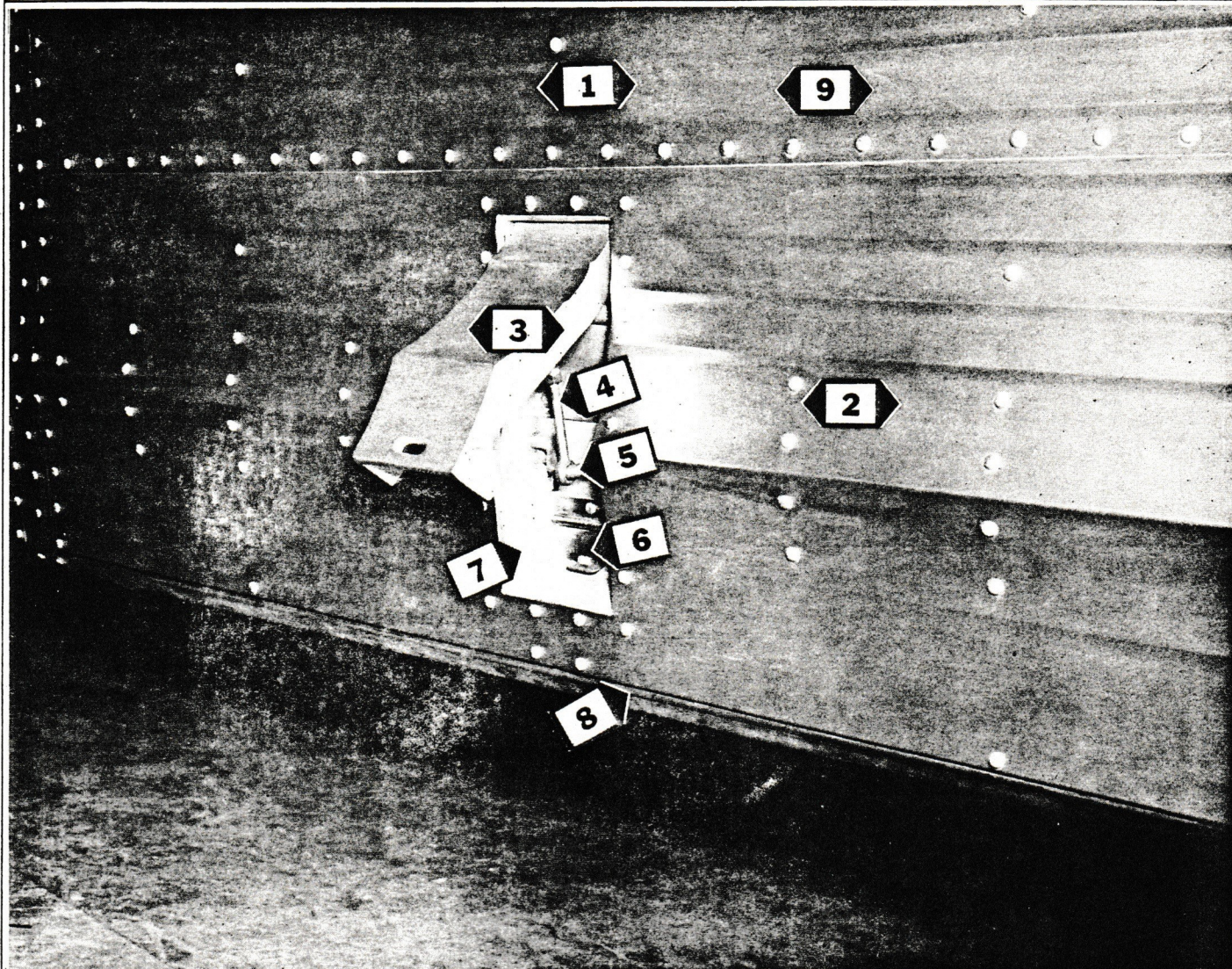
MODEL MC-5A &
MCC-5A

REFER TO PARTS BOOK UNDER GROUPS INDICATED BY PART NUMBER FOR DETAILED BREAKDOWN

KEY	PART NO.	DESCRIPTION	KEY	PART NO.	DESCRIPTION
1*	3C-35-25	Panel S/A - Below Windshield	9	3C-33-27	Panel - Target (Greyhound)
1**	3C-35-192	Panel S/A - Below Windshield	9	3C-20-66	Panel - Target (Other)
2+	3B-10-110	Padlock Assembly - Entrance Door Release	10	7C-7-94	Headlamp Assy. - R.H.
2++	3C-10-19	Padlock Assembly - Entrance Door Release	11	7C-7-95	Headlamp Assy. - L.H.
3	3A-21-70	Bumper Assembly - R.H. Front	12	3B-32-69	Panel - Beaded - Upper Outer on Entrance Door
4	3A-21-75	Bumper Assembly - L.H. Front	13	3C-21-41	Bumperette S/A - R.H. on Entrance Door
5x	3C-31-76	Panel - Gravel Guard - Mtg. Tire Bar (Standard)	14	3C-35-207	Panel - Dished - R.H. Headlight
5xx	3C-31-297	Panel - Gravel Guard - Mtg. Tire Bar (Standard)	15	3C-35-206	Panel - Dished - L.H. Headlight
5x	3C-21-5	Panel - Gravel Guard - Mtg. Tire Bar (with Extended Bumpers)	16	3A-22-62	Mounting Bracket - On Body - R.H. Exterior Rear View Mirror
5xx	3C-31-296	Panel - Gravel Guard - Mtg. Tire Bar (with Extended Bumpers)	17	3A-22-61	Mounting Bracket - On Body - L.H. Exterior Rear View Mirror
6	3A-31-178	Clamp S/A - Tire Retaining (Std.)	18	3C-36-33	Panel S/A - Tire Floor
6	3C-31-24	Clamp S/A - Tire Retaining (with Extended Bumpers)	19	3C-35-162	Panel S/A - Headlight - C/W Shims
7	7B-7-1	Front Turn Light Assembly	20	3A-21-60	Spacer - Bumper Stop (Rubber) used with Extended Bumpers
8x	3C-31-73	Tire Bar Assy. - C/W Panel (Std.)	20	3C-21-25	Spacer - Bumper Stop (Rubber) used with Extended Bumpers
8xx	3C-31-306	Tire Bar Assy. - C/W Panel (Std.)	21x	3A-51-33	Tire Compt. Truss Assy. - R.H.
8x	3C-21-7	Tire Bar Assy. - C/W Panel (with Extended Bumpers)	21xx	3C-51-32	Tire Compt. Truss Assy. - R.H.
8x	3C-21-61	Tire Bar Assy. - C/W Panel (with Extended Bumpers)	22x	3A-51-26	Tire Compt. Truss Assy. - L.H.
			22xx	3C-51-27	Tire Compt. Truss Assy. - L.H.
			23	3A-32-81	Hinge S/A - Lower Entrance Door on Body

KEY	PART NO.	DESCRIPTION	KEY	PART NO.	DESCRIPTION
24	3C-20-40	Molding - Reveal - On Entrance Door - Diagonal			
25	3C-20-57	Molding S/A - Below R.H. Windshield			
26	3C-20-53	Molding S/A - Below L.H. Windshield			
27	3C-35-113	Panel Assembly - R.H. Foglight (Std.)			
27	3C-35-21	Panel Assembly - R.H. Foglight (with Extended Bumpers)			
28	3C-35-109	Panel Assembly - L.H. Foglight (Std.)			
28	3C-35-17	Panel Assembly - L.H. Foglight (with Extended Bumpers)			
29	3C-31-70	Hinge Arm S/A - R.H. Tire Door Mounting (Std.)			
29	3C-31-7	Hinge Arm S/A - R.H. Tire Door Mounting (with Extended Bumpers)			
30	3C-31-69	Hinge Arm S/A - L.H. Tire Door Mounting (Std.)			
30	3C-31-6	Hinge Arm S/A - L.H. Tire Door Mounting (with Extended Bumpers)			
31	3C-31-104	Lock S/A - Tire Door Studs			
32	4A-15-115	Brake Valve Assembly - E-1-Complete			
33	3C-31-87	Stud - Male Tire Door Locking (Optional)			
33	3C-31-90	Stud - Male Tire Door Locking (Standard)			
34	3C-31-12	Spring Catch - Tire Door (Open Position Retaining)			
35	3A-31-38	Hinge Section - On Body - Front R.H. Service Door			
35	3C-31-52	Hinge Section - On Door C/W Pin			
36x	3A-36-8	Panel S/A - Closing Tire Compt.-Rear Vert.			
36xx	3C-36-129	Panel S/A - Closing Tire Compt.-Rear Vert.			
+		Effective Prior to Unit No. 5539			
++		Effective With Unit No. 5539			
*		Effective Prior to Unit No. 5501			
**		Effective With Unit No. 5501			
x		Effective Prior to Unit No. 5961			
xx		Effective With Unit No. 5961			

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MC-5A &
MODEL MCC-5A

REFER TO PARTS BOOK UNDER GROUPS INDICATED BY PART NUMBER FOR DETAILED BREAKDOWN

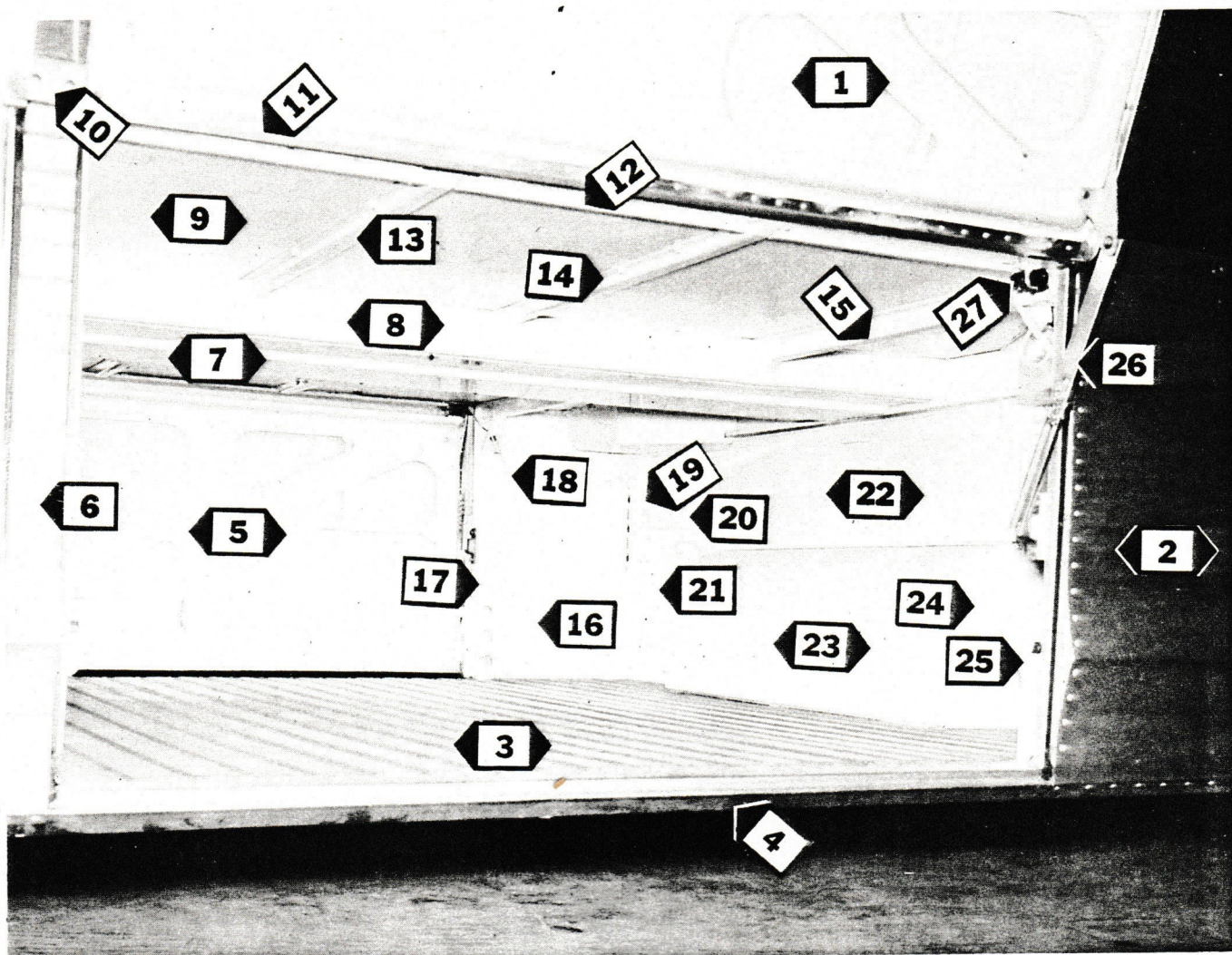
KEY	PART NO.	DESCRIPTION	KEY	PART NO.	DESCRIPTION
1	3C-29-195	Baggage Door Assembly - L.H & R.H.			
2	3C-29-176	Panel - Baggage Door Lower - Exterior			
3	3C-29-177	Handle S/A - Baggage Door Control			
4	3C-29-55	Rod - Connecting Handle			
5	3C-29-46	Rod - Door Locking			
6	3C-29-178	Hinge Bracket - Seal Retaining			
7	3C-29-168	Casting - Baggage Door Handle Box			
8	3C-59-39	Skirt Rail S/A - L.H. Complete			
9	3C-29-174	Panel - Baggage Door Upper - Exterior.			

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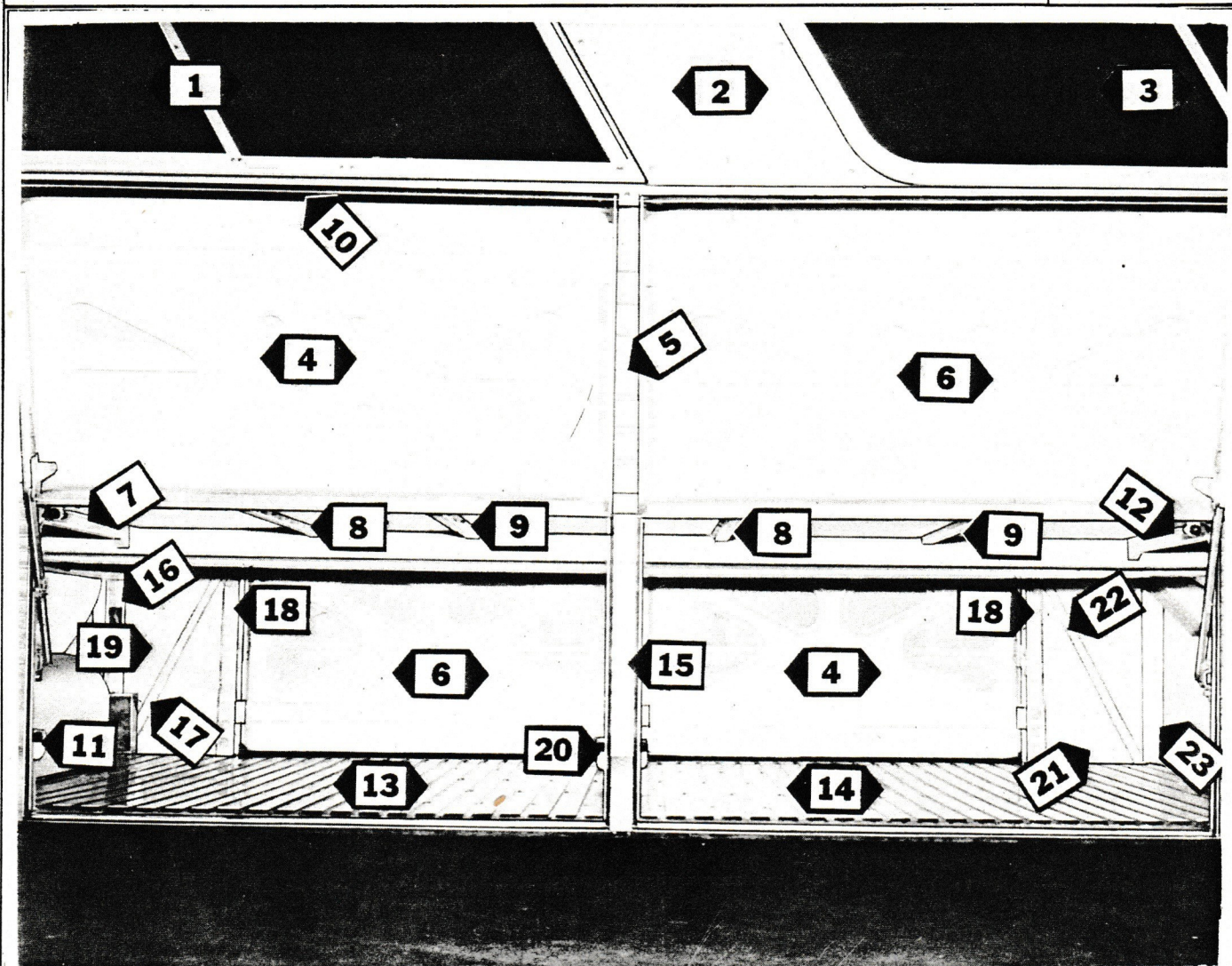
MODEL MC-5A & MCC-5A



REFER TO PARTS BOOK UNDER GROUPS INDICATED BY PART NUMBER FOR DETAILED BREAKDOWN

KEY	PART NO.	DESCRIPTION	KEY	PART NO.	DESCRIPTION
1	3C-29-195	Baggage Door Assembly	17	3C-44-43	Post - Rear of Rear & Front of Front Baggage Doors
2	3C-35-147	Panel S/A - R.H. Behind Battery Door	18	3C-42-10	V-Channel - Baggage Compartment Truss Reinforcing - L.H. Front & R.H. Rear
3	3C-36-57	Panel - Front Baggage Compartment Lining	19+	3C-36-8	Post S/A - Central Heating and Air Cond. Reset
4	3C-59-33	Skirt Rail S/A - R.H. Complete	20	16C-12-23	Panel S/A - Air Conditioning Compartment Rear Closing
5	3C-29-195	Baggage Door Assembly	21	16C-12-26	Door Assembly - Inspection - Air Conditioning Compartment Wall
6	3C-35-149	Panel S/A - R.H. & L.H. Between Baggage Doors	22	16B-12-9	Door Assembly - Upper C/W Hinge - Air Conditioning Compartment Wall
7	3C-36-6	Panel S/A - Front Control Rod Cover	23	16B-12-1	Cover Panel Assembly - Lower Curved Section
8	3C-54-12	Control Rod Duct Assembly - Less Wiring	24	16B-12-27	Wall Assembly - R.H. Vertical
9	3C-18-7	Plywood Floor - Section #6 Front to Rear	25	3C-29-192	Striker Plate S/A - R.H. Front & L.H. Rear
10	3C-20-75	Molding S/A - Belt - Between Wheelhousings- R.H. Front	26	3C-29-164	Prop S/A - R.H. Front & L.H. Rear Baggage Compartment Doors
10	3C-20-82	Molding S/A - Belt - Between Wheelhousings- R.H. Rear	27	7A-8-91	Micro Switch - Baggage Compartment
11	3C-29-178	Hinge Bracket - Seal Retaining	+		Effective Prior to Unit No. 5466
12	3C-15-76	Channel - Floor Nut Cover Front Baggage Compartment			
13	3C-54-3	Cross Rail Assembly - Rear of Baggage Compartments			
14	3C-54-6	Cross Rail Assembly - Front of Baggage Compartments			
15	3C-44-47	Hat Channel S/A - Front Bagg. Compt. Truss			
16	3C-35-91	Panel - Plywood - Front of Front Baggage Doors			

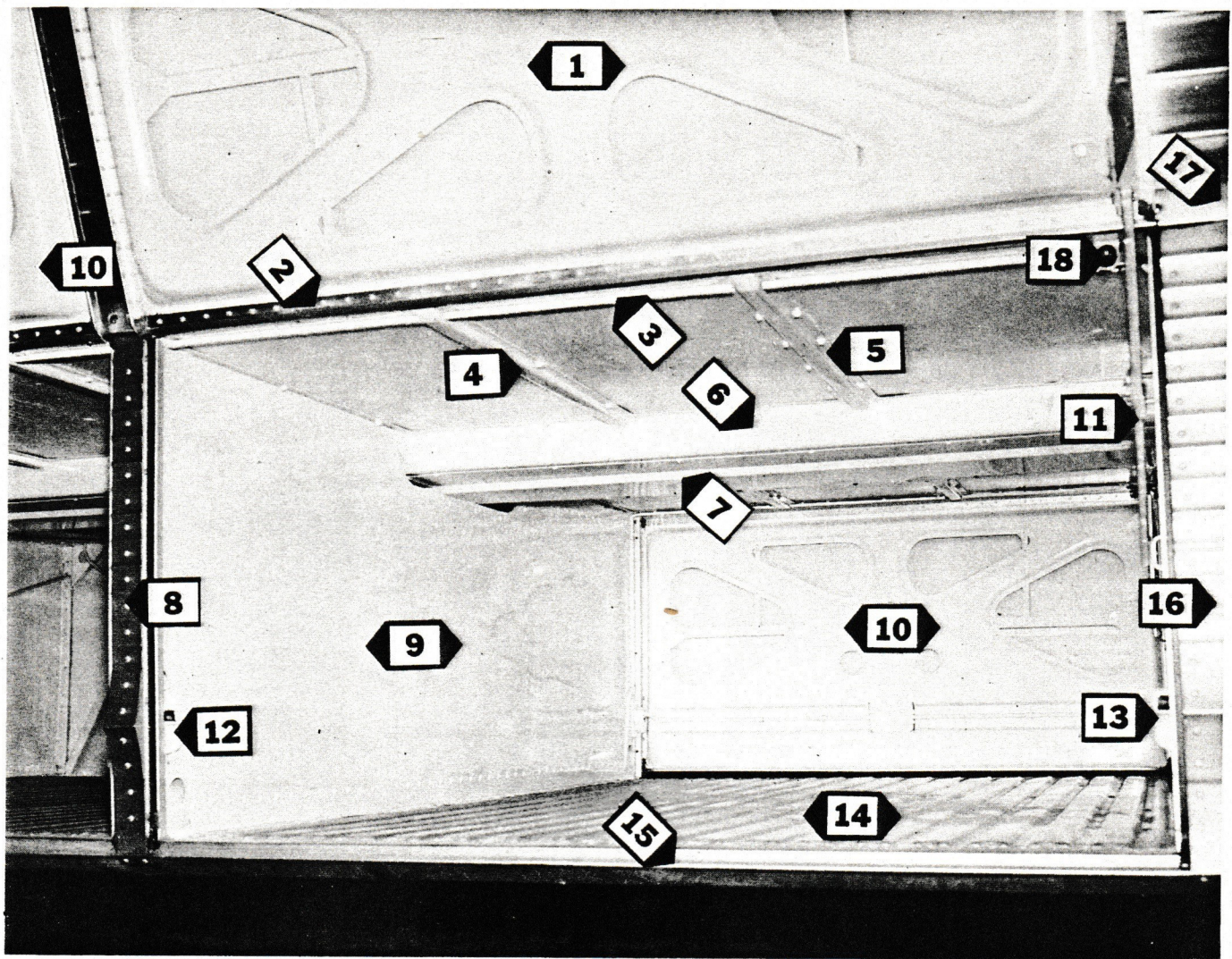
Revised January 16, 1967

MODEL MC-5A &
MCC-5A

REFER TO PARTS BOOK UNDER GROUPS INDICATED BY PART NUMBER FOR DETAILED BREAKDOWN

KEY	PART NO.	DESCRIPTION	KEY	PART NO.	DESCRIPTION
1	3C-27-263	Horizontal Sliding Sash Assembly - #2 L.H. Complete	15	3C-35-149	Panel S/A - R.H. & L.H. Between Baggage Doors
2	3B-35-24	Cap S/A - L.H. Between Side Windows - Center	16	3C-36-52	Post - Battery Disconnect Switch Mounting
3	3C-27-245	Horizontal Sliding Sash Assembly - #1 L.H. Complete	17	3C-42-9	V-Channel - Baggage Compartment Truss - Reinforcing - R.H. Front & L.H. Rear
4	3C-29-195	Baggage Door Assembly	18	3C-44-43	Post S/A - Rear of Rear & Front of Front Baggage Doors
5	3C-35-129	Panel - #2 L.H. Behind Driver's Window	19	3C-35-91	Panel - Plywood - Front of Front Baggage Doors - L.H. & R.H.
6	3C-29-195	Baggage Door Assembly	20	3C-29-192	Striker Plate - R.H. Front & L.H. Rear of Baggage Doors
7	3C-44-47	Hat Channel S/A - Floor Rail - Front Baggage Compartment Truss	21	3A-57-26	Panel - Plywood - Rear of Rear Baggage Door R.H.
8	3C-54-3	Cross Rail Assembly - Front of Baggage Compt.	22	3C-42-10	V-Channel - Baggage Compartment Truss Reinforcing - L.H. Front & R.H. Rear
9	3C-54-6	Cross Rail Assembly - Rear of Baggage Compt.	23	3B-59-134	Post S/A - Rear End of Baggage Compt. R.H.
10	3C-29-111	Retainer & Seal Assembly - Lower Baggage Door Seal			
11	3C-29-190	Striker Plate - L.H. Front & R.H. Rear of Baggage Doors			
12	3C-44-52	Hat Channel S/A - Rear Baggage Compartment Truss Floor Rail			
13	3C-36-57	Panel - Front Baggage Compartment - Lining			
14	3C-36-58	Panel - Rear Baggage Compartment - Lining			

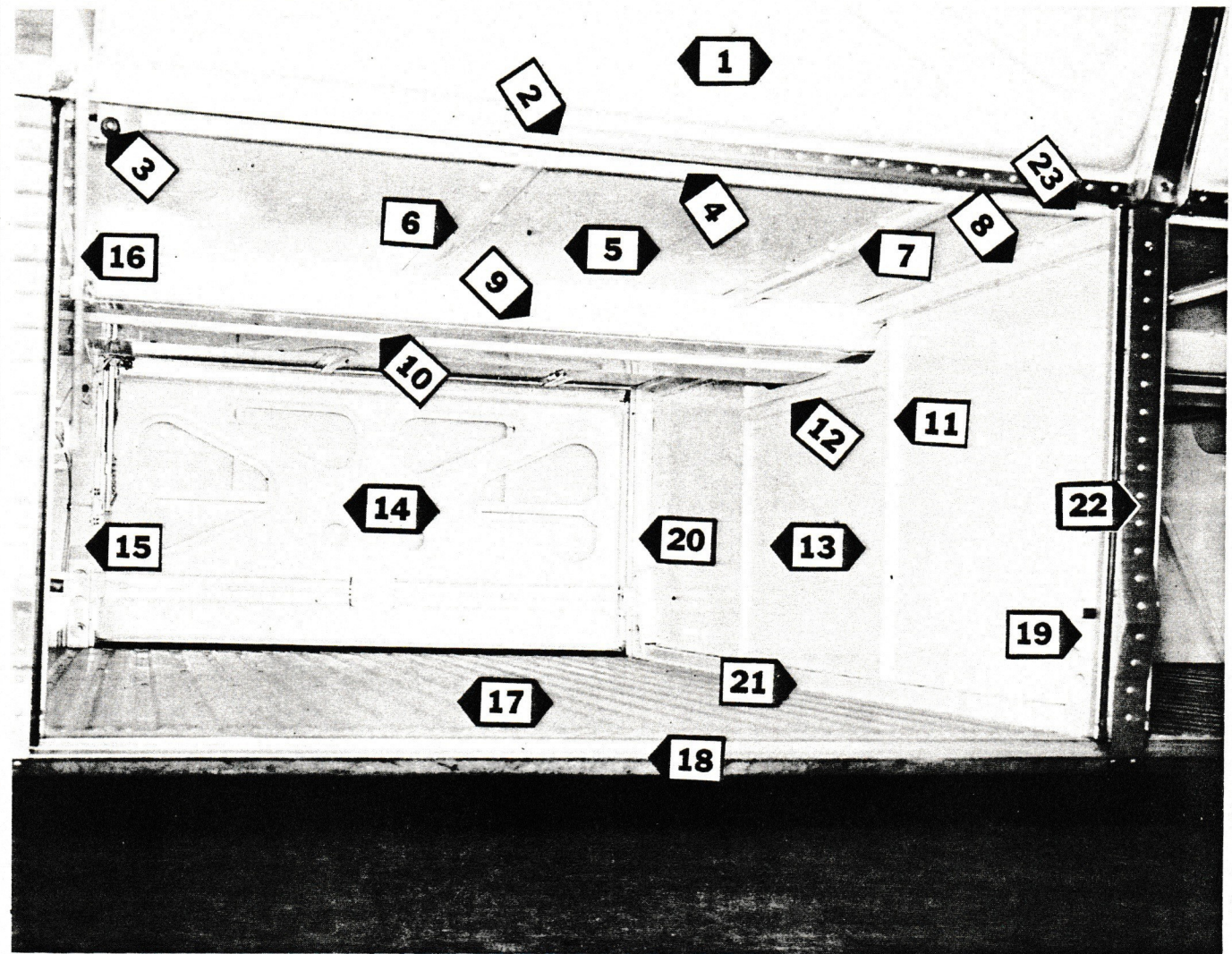
Revised January 16, 1967

MC-5A &
MODEL MCC-5A

REFER TO PARTS BOOK UNDER GROUPS INDICATED BY PART NUMBER FOR DETAILED BREAKDOWN

KEY	PART NO.	DESCRIPTION	KEY	PART NO.	DESCRIPTION
1	3C-29-195	Baggage Door Assembly	15	3C-59-33	Skirt Rail S/A - R.H. Complete
2	3C-29-107	Retainer - Baggage Door Top Hinge	16	3C-35-147	Panel S/A - R.H. Behind Battery Door
3	3C-15-76	Channel - Floor Nut Cover - Front Baggage Compartments	17	3C-20-75	Molding S/A - Belt - Between Wheelhousings - R.H. Front
4	3C-54-6	Cross Rail Assembly - Rear of Baggage Compartments	18	7A-8-91	Micro Switch - On Baggage Door
5	3C-54-3	Cross Rail Assembly - Front of Baggage Compartments			
6	3C-54-12	Control Rod Duct Assy. - Less Wiring			
7	3C-36-6	Panel S/A - Front Control Rod Cover			
8	3C-35-149	Panel S/A - R.H. & L.H. Between Baggage Doors			
9	3C-36-64	Panel - Dividing Baggage Compartment			
10	3C-29-195	Baggage Door Assembly			
11	3C-29-164	Prop Assembly - C/W Mounting Bracket R.H. Front & L.H. Rear			
12	3C-29-190	Striker Plate S/A - L.H. Front & R.H. Rear of Baggage Doors			
13	3C-29-192	Striker Plate S/A - R.H. Front & L.H. Rear of Baggage Doors			
14	3C-36-57	Panel S/A - Front Baggage Compartment Lining Floor			

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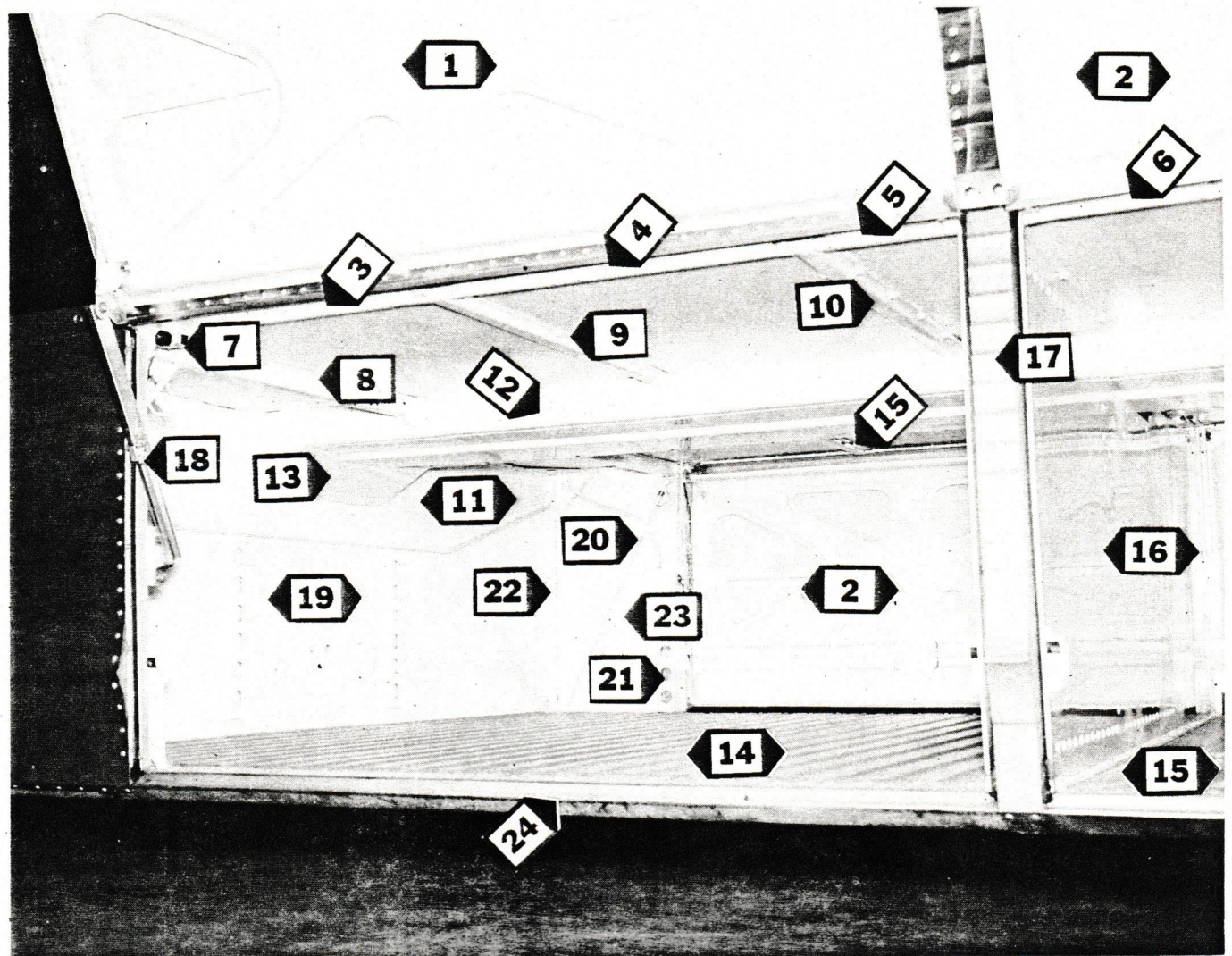
MODEL MC-5A &
MCC-5A

REFER TO PARTS BOOK UNDER GROUPS INDICATED BY PART NUMBER FOR DETAILED BREAKDOWN

KEY	PART NO.	DESCRIPTION	KEY	PART NO.	DESCRIPTION
1	3C-29-195	Baggage Door Assembly	16	3C-29-163	Prop Assembly - C/W Mounting Bracket - L.H. Front & R.H. Rear
2	3C-29-107	Retainer - Baggage Door Top Hinge	17	3C-36-58	Panel - Rear Baggage Compartment Lining
3	7A-8-91	Micro Switch - On Baggage Door	18	3C-59-33	Skirt Rail S/A - R.H. Complete
4	3C-15-79	Channel - Floor Nut Cover - Center of Rear Baggage Compartment	19	3C-29-192	Striker Plate S/A - R.H. Front & L.H. Rear of Baggage Doors
5	3C-18-8	Plywood Floor - Section #7 Front to Rear	20	3C-44-58	Post S/A - Center Baggage Compartment Truss
6	3C-54-6	Cross Rail Assembly - Rear of Baggage Compartments	21	3C-44-59	Hat Channel S/A - Center Baggage Comp. Truss Lower Rail
7	3C-54-3	Cross Rail Assembly - Front of Baggage Compartments	22	3C-35-149	Panel S/A - R.H. & L.H. Between Baggage Doors
8	3C-44-55	Baggage Compt. Truss Assy. - Center	23	3C-15-78	Channel - Floor Nut Cover R.H. Front of Rear Baggage Compartment
9	3C-54-12	Control Rod Duct Assy. - Less Wiring			
10	3C-36-2	Panel Assembly - Rear Control Rod Cover			
11	3C-44-24	Hat Channel - Reinforcing Baggage Compt. Dividing Panel			
12	3C-44-42	Hat Channel - Baggage Compartment Dividing Panel Stiffener			
13	3C-36-64	Panel - Dividing Baggage Compartment			
14	3C-29-195	Baggage Door Assembly			
15	3C-44-43	Post S/A - Rear of Rear & Front of Front Baggage Compartments			

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MODEL MC-5A & MCC-5A



REFER TO PARTS BOOK UNDER GROUPS INDICATED BY PART NUMBER FOR DETAILED BREAKDOWN

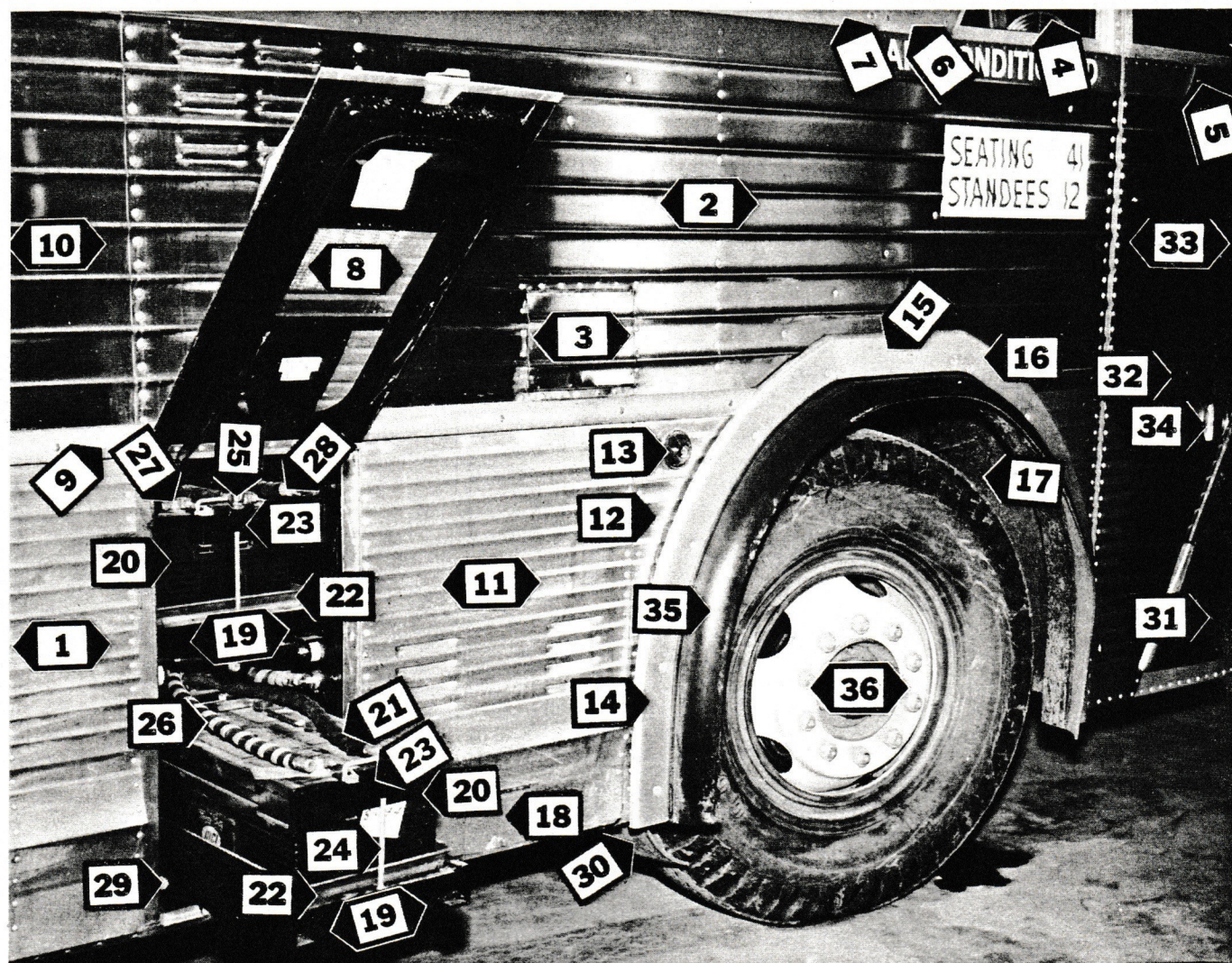
KEY	PART NO.	DESCRIPTION	KEY	PART NO.	DESCRIPTION
1	3C-29-195	Baggage Door Assembly	16	3C-36-64	Panel - Dividing Baggage Compartment
2	3C-29-195	Baggage Door Assembly	17	3C-35-149	Panel S/A - R.H. & L.H. Between Baggage Doors
3	3C-15-81	Channel - Floor Nut Cover - R.H. Rear of Rear Baggage Compartment	18	3C-29-163	Prop Assembly - C/W Mounting Bracket L.H. Front & R.H. Rear
4	3C-15-79	Channel - Floor Nut Cover - R.H. & L.H. Center of Rear Baggage Compartment	19*	3B-36-11	Panel - Closing Rear Bulkhead
5	3C-15-78	Channel - Floor Nut Cover - R.H. Front of Rear Baggage Compartment	19**	3C-36-123	Panel - Closing Rear Bulkhead
6	3C-15-76	Channel - Floor Nut Cover - Front Baggage Compartment	20	3C-42-9	V-Channel - Baggage Compartment Truss Reinforcing - R.H. Front & L.H. Rear
7	7A-8-91	Micro Switch - On Baggage Door	21	3C-44-43	Post S/A - Rear of Rear & Front of Front Baggage Doors
8	3C-44-52	Hat Channel S/A - Rear Baggage Compartment Truss Floor Rail	22	3B-59-130	Post S/A - Rear end of Baggage Compartment L.H.
9	3C-54-6	Cross Rail Assembly - Rear of Baggage Compartments	23	3A-57-25	Panel - Plywood - Rear of Rear Baggage Doors L.H.
10	3C-54-3	Cross Rail Assembly - Front of Baggage Compartments	24	3C-59-33	Skirt Rail S/A - R.H. Complete
11	3C-56-1	Rear Bogie Assy. - Complete	*		Effective Prior to Unit No. 5776
12	3C-54-12	Control Rod Duct Assy. - Less Wiring	**		Effective With Unit No. 5776
13	3C-36-2	Panel S/A - Rear Control Rod Cover			
14	3C-36-58	Panel - Rear Baggage Compartment Lining			
15	3C-36-57	Panel - Front Baggage Compartment Lining			

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MODEL MC-5A & MCC-5A

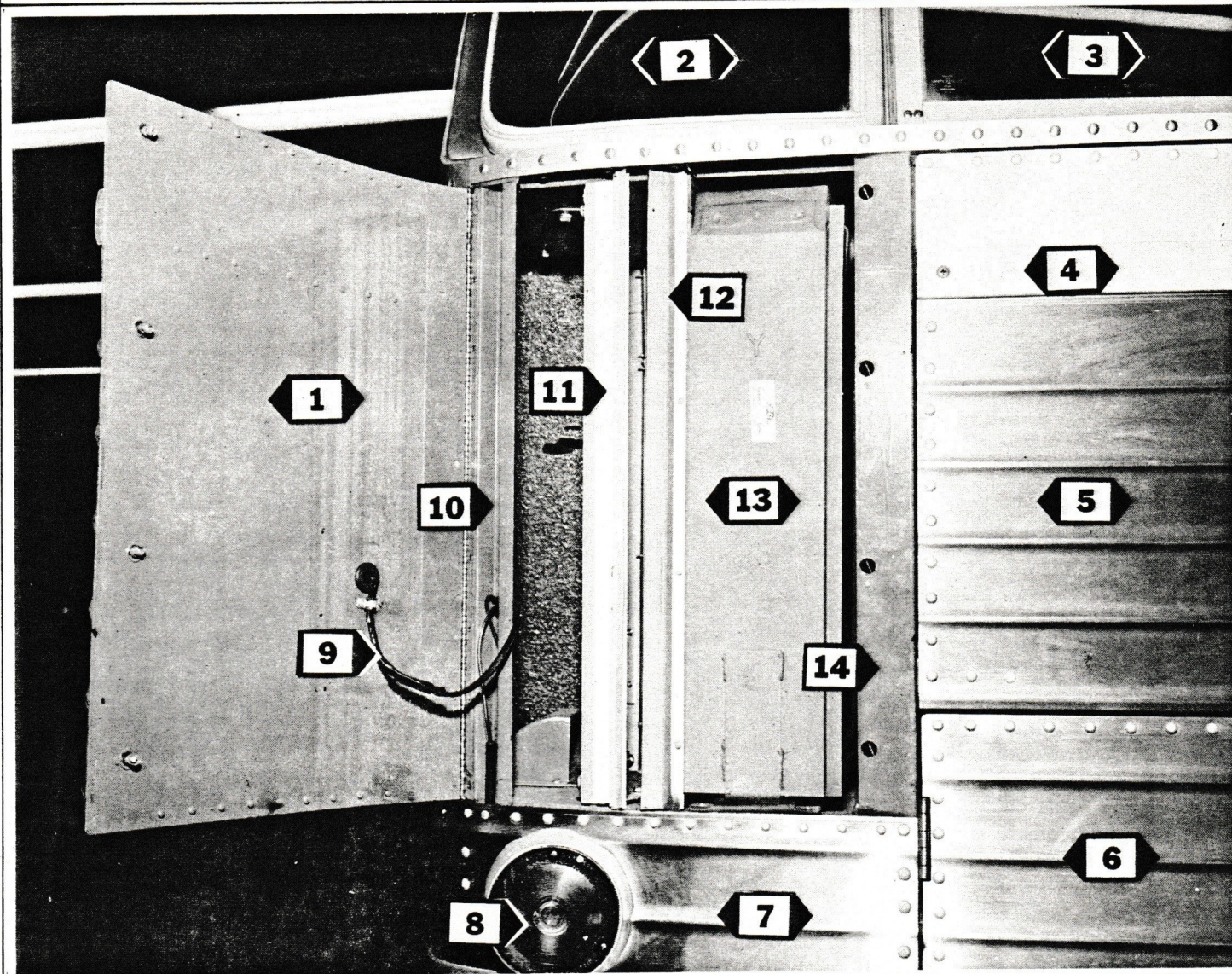


REFER TO PARTS BOOK UNDER GROUPS INDICATED BY PART NUMBER FOR DETAILED BREAKDOWN

KEY	PART NO.	DESCRIPTION	KEY	PART NO.	DESCRIPTION
1	3C-35-147	Panel S/A - R.H. - Behind Battery Door	15	3A-23-5	Straight Section - Center - Front
2	3C-35-11	Panel S/A - #1 R.H. - Behind Entrance Door - Upper	16	3C-23-14	U-Channel - Curved, R.H. Front
3	3C-31-95	Fuel Filler Door - R.H. - C/W Spring and Nameplate	17	3A-36-14	Panel - R.H. Vertical - Closing Front of Front Wheelhousing
4	3C-27-287	Triangular Window Assembly - R.H.	18	3A-31-112	Door Assembly - Fuel Tank Drain - Small
5	3C-20-95	Molding - Reveal - Below Entrance Door Window - Upper	19	3B-61-95	Battery Carrier Frame Assembly - Sliding
6	3A-20-59	Molding - Reveal - R.H. diagonal Rear of Entrance Door	20	7B-9-1	Battery - 25 Plate - 204 Amp.
7	3C-20-72	Molding - R.H. & L.H. Below Side Windows	21	7B-9-5	Battery Cable - Positive - Lower (Red)
8	3C-30-25	Battery Door Assembly - Complete	22	3B-61-37	Tray S/A - Holds 12 Volt Battery (Large)
9	3C-20-75	Molding - Belt - Between Wheelhousings - R.H.	23	3C-61-18	Clamp S/A - Battery Hold Down
10	3C-35-139	Panel - #2 R.H. Behind Entrance Door - Upper	23+	3C-61-20	Clamp S/A - Battery Hold Down - Special for battery with end terminals
11	3C-31-267	Door S/A - Fuel Tank Closing - Complete with louvers	24	3B-61-111	Bolt - 3/8 - 20 x 8" - Anchor Battery
12	3B-35-67	Panel - R.H. Rear of Front Wheelhousing - with hole for Side Turn Light	25	N.P.N.	Wing Nut - 3/8 x 16 Brass
13+	7C-7-16	Side Turn Light Assembly	26	7B-9-6	Battery Cable - Negative - Lower (White)
13++	7C-7-92	Side Turn Light Assembly	27	7B-9-4	Battery Cable - Negative - Upper (White)
14	3A-23-3	Curved Section - R.H. Rear of Front Wheel	28	7B-9-3	Battery Cable - Positive - Upper (Red)
			29	3B-61-90	Rollers - Mtg. Shoulder Bolt
			30	3A-33-5	Rubber Flaps - Rear of Front Wheels
			31	3C-21-41	Bumperette - R.H. - On Entrance Door
			32	3C-20-25	Molding - Entrance Door Center - Horizontal

KEY	PART NO.	DESCRIPTION	KEY	PART NO.	DESCRIPTION
33	3B-32-69	Panel - Beaded Upper Outer on Entrance Door			
34	3C-33-23	Reflector - L.H. & R.H. Front (Amber)			
35*	3C-23-7	Fender R.H. - Rubber			
36/	15C-1-1	Wheel Assembly - 22.5 x 8.25 Tubeless			
		Wheel (Heavy Duty) 6 9/16" Offset (Firestone)			
36/	15A-1-1	Wheel Assembly - 20 x 8.0 Machined &			
		Balanced - Complete With Lock Ring (Kelsey)			
		Tube Type			
36/	15A-1-20	Wheel Assembly - 20 x 8.0 Machined &			
		Balanced - Complete With Lock Ring (Budd)			
		Tube Type			
/		Optional Equipment			
*		Effective With Unit No. 5869			
+		Effective Prior to Unit No. 5542			
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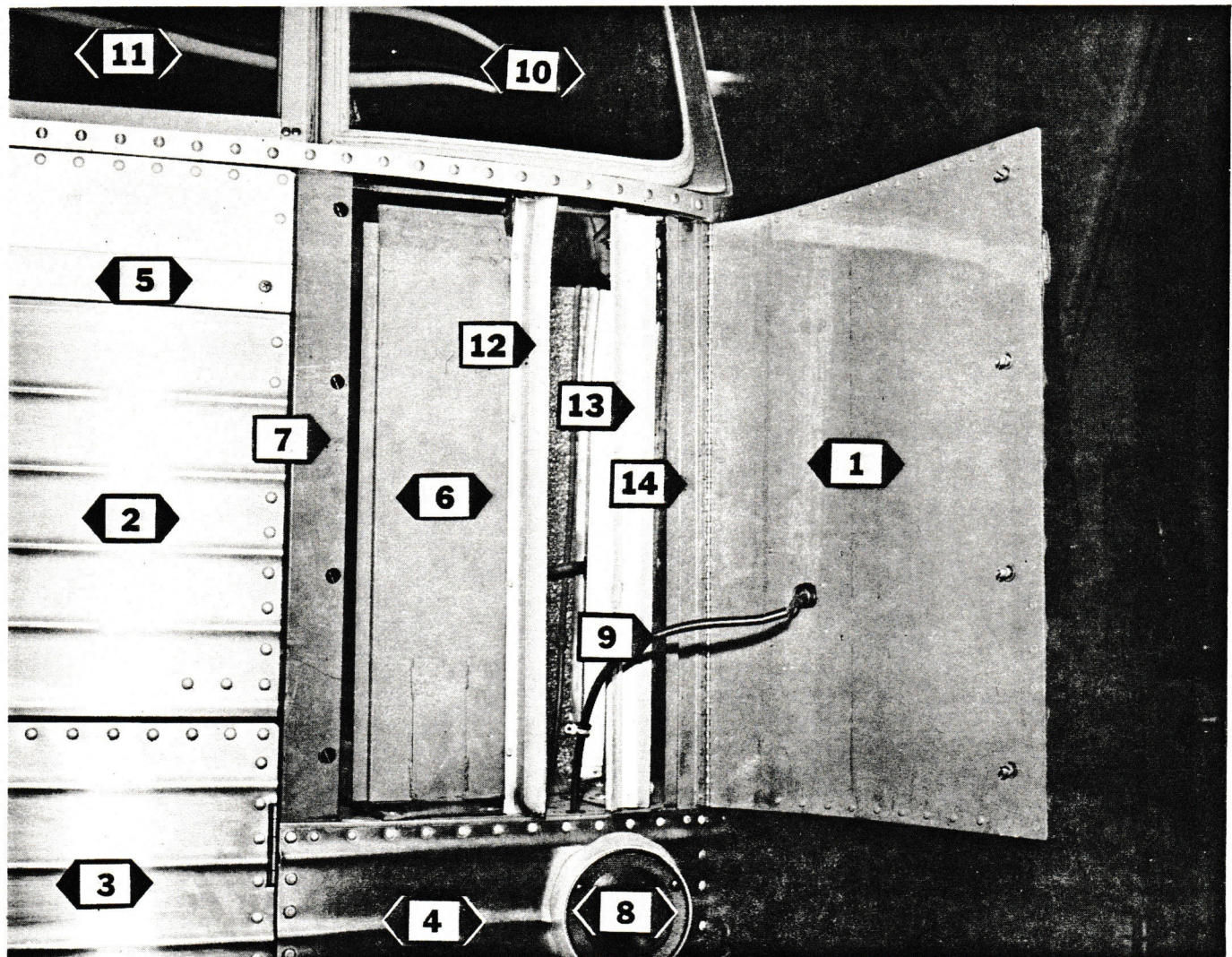
Revised March 16, 1966

MC-5A &
MODEL MCC-5A

REFER TO PARTS BOOK UNDER GROUPS INDICATED BY PART NUMBER FOR DETAILED BREAKDOWN

KEY	PART NO.	DESCRIPTION	KEY	PART NO.	DESCRIPTION
1	3B-31-112	Door Assembly - Radiator Compartment L.H.			
2	3A-27-332	Sash Assembly - Rear Corner Window L.H.			
3	3C-27-158	Sash Assembly - Rear Center Complete			
4	3A-20-182	Molding - Blower Compartment Door			
5	3B-31-130	Door Assembly - Blower Compartment			
6+	3C-31-34	Door Assembly - Rear Engine Compartment			
		L.H.			
6++	3C-31-232	Door Assembly - Rear Engine Compartment			
		L.H.			
7	3B-35-107	Panel - Below L.H. Radiator Door			
8	7B-7-13	Turnlight Assembly - Rear L.H. - C/W			
		Adapter Casting			
9	7B-7-24	Wire Assembly - Stoplight			
10	3B-77-31	Hat Channel - Rear L.H. Vertical			
11	6B-2-38	Shutter Seal Assembly - Rear L.H.			
12	3C-37-23	Radiator Seal S/A - Rear Channel L.H. &			
		R.H.			
13	6B-1-1	Radiator Assembly - L.H. & R.H.	+		Effective Prior to Unit No. 5401
14	3B-77-51	Post S/A - Motor Door - L.H. Complete	++		Effective With Unit No. 5401

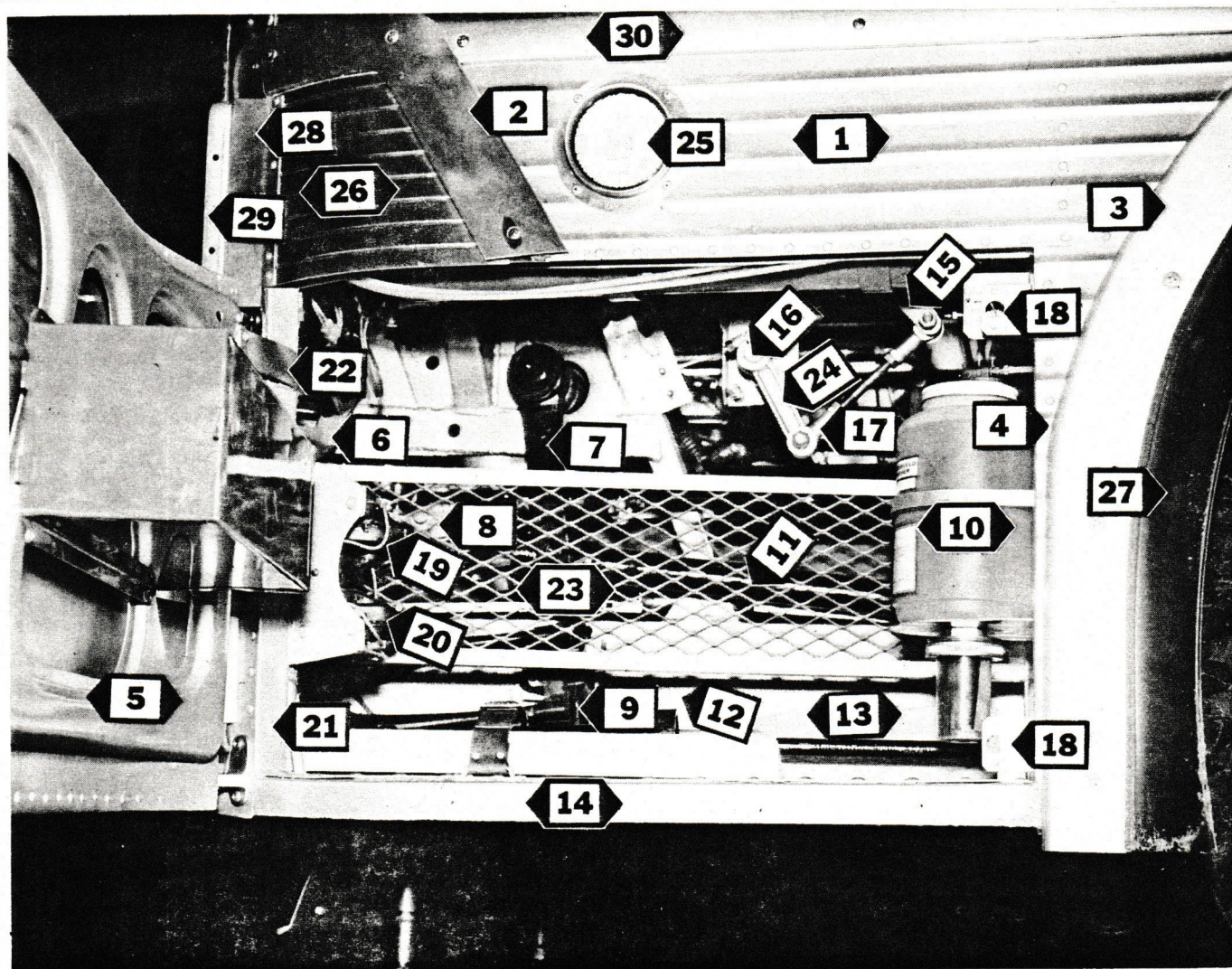
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MC-5A &
MODEL MCC-5A

REFER TO PARTS BOOK UNDER GROUPS INDICATED BY PART NUMBER FOR DETAILED BREAKDOWN

KEY	PART NO.	DESCRIPTION	KEY	PART NO.	DESCRIPTION
1	3B-31-119	Door Assembly - Radiator Compartment R.H.			
2	3B-31-130	Door Assembly - Blower Compartment			
3+	3C-31-38	Door Assembly - R.H. Rear Engine Compt.			
3++	3C-31-233	Door Assembly - R.H. Rear Engine Compt.			
4	3B-35-108	Panel - Below R.H. Radiator Door			
5	3A-20-182	Molding - Blower Compartment Door			
6	6B-1-1	Radiator Assembly - L.H. & R.H.			
7*	3B-77-54	Post S/A - Motor Door R.H.			
7**	3C-77-53	Post S/A - Motor Door R.H. Complete			
8	7A-7-68	Turn Light Assembly - Rear R.H.			
9	7B-7-24	Wire Assembly - Stoplight			
10	3A-27-333	Sash Assembly - Rear Corner Window R.H.			
11	3C-27-158	Sash Assembly - Rear Center Complete			
12	3C-37-23	Radiator Seal S/A - Rear Channel L.H. & R.H.			
13	6B-2-41	Shutter Seal Assembly - R.H. Rear			
14	3B-77-32	Hat Channel - Rear R.H. Vertical			
+		Effective Prior to Unit No. 5401			
++		Effective With Unit No. 5401			
*		Effective Prior to Serial No. 5365			
**		Effective With Serial No. 5365			

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MC-5A &
MODEL MCC-5A

REFER TO PARTS BOOK UNDER GROUPS INDICATED BY PART NUMBER FOR DETAILED BREAKDOWN

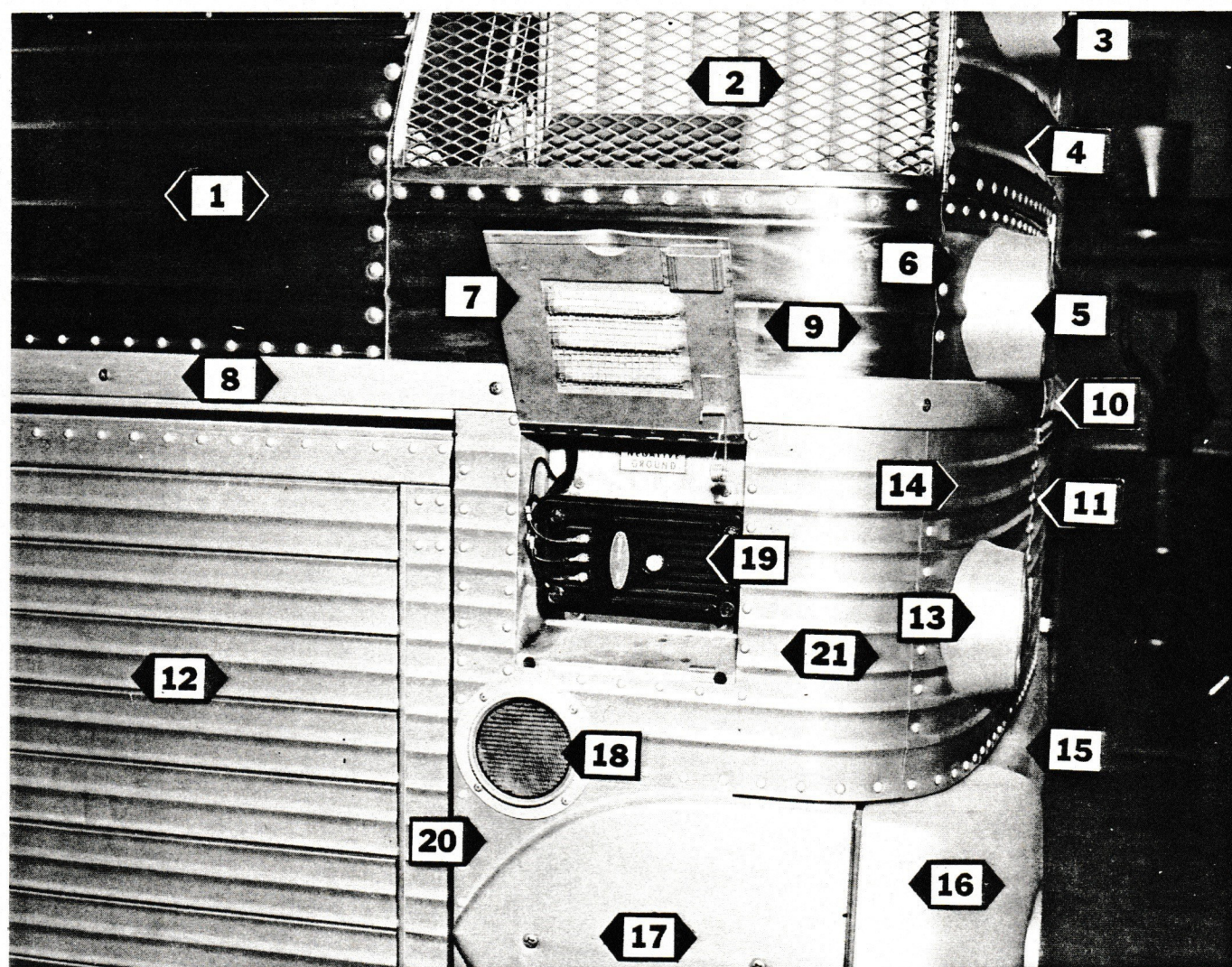
KEY	PART NO.	DESCRIPTION	KEY	PART NO.	DESCRIPTION
1	3A-35-200	Panel - L.H. Above Front Service Door	19	7C-5-9	Horn - Low Note - 24-Volt
2	3A-20-60	Molding S/A - Reveal Above Front Service Door	20	7C-5-10	Horn - High Note - 24-Volt
3	3C-23-13	U-Channel - Curved, L.H. Front	21	3C-40-3	Head Lamp Truss Assembly
4	3A-35-198	Panel - L.H. Behind Front Service Door	22	3A-31-89	Strap - Front L.H. Service Door Stop
5	3C-31-103	Service Door - Front L.H. Side - Complete	23	3C-59-110	Guard S/A - Drag Link in Tool Compartment
6	7C-7-95	Head Lamp Assembly - Dual L.H.	24	5C-5-17	Lever - Clutch Arm Link to Front L.H. Cross Shaft
7	11C-1-4	Arm Assembly - C/W 1 1/4" Dia. Ball	25	3C-33-23	Reflector - L.H. Front (Amber)
8	11A-1-83	Valve Assembly - Power Steering	26	3C-35-178	Panel S/A - S.S. Beaded - Above Fuse Door C/W Spacer
9	4B-24-1	Air Horn Assembly	27+	3C-23-7	Rubber Fender L.H.
10	3C-34-9	Kit - Windshield Washer - Complete with Mounting Bracket	28	3C-33-17	Bracket S/A - L.H. - Longlex Reflector Mtg.
11	11C-4-22	Drag Link Assembly - Steering Gear to Front Axle	29	3-33-10	Reflector - L.H. Front (Amber)
12*	3A-51-26	Truss Assembly - L.H. Tire Compartment	30	3A-20-138	Molding - Belt - Front of Front Wheel - L.H.
12**	3C-51-27	Truss Assembly - L.H. Tire Compartment			
13	3A-36-4	Panel - L.H. Front Tire Floor			
14*	3A-51-1	Tire Floor Frame Assembly	*		Effective Prior to Unit No. 5961
14**	3C-51-46	Tire Floor Frame Assembly	**		Effective With Unit No. 5961
15	5C-5-18	Clutch Arm - C/W Pivot Bearing			
16	5A-5-15	Front Cross Shaft	+		Effective With Unit No. 5869
17	5B-5-12	Unibal End - Clutch Arm to Front Cross Shaft Lever			
18	3A-31-454	Bracket S/A - Front L.H. Side Door Locking C/W Dzus Spring			

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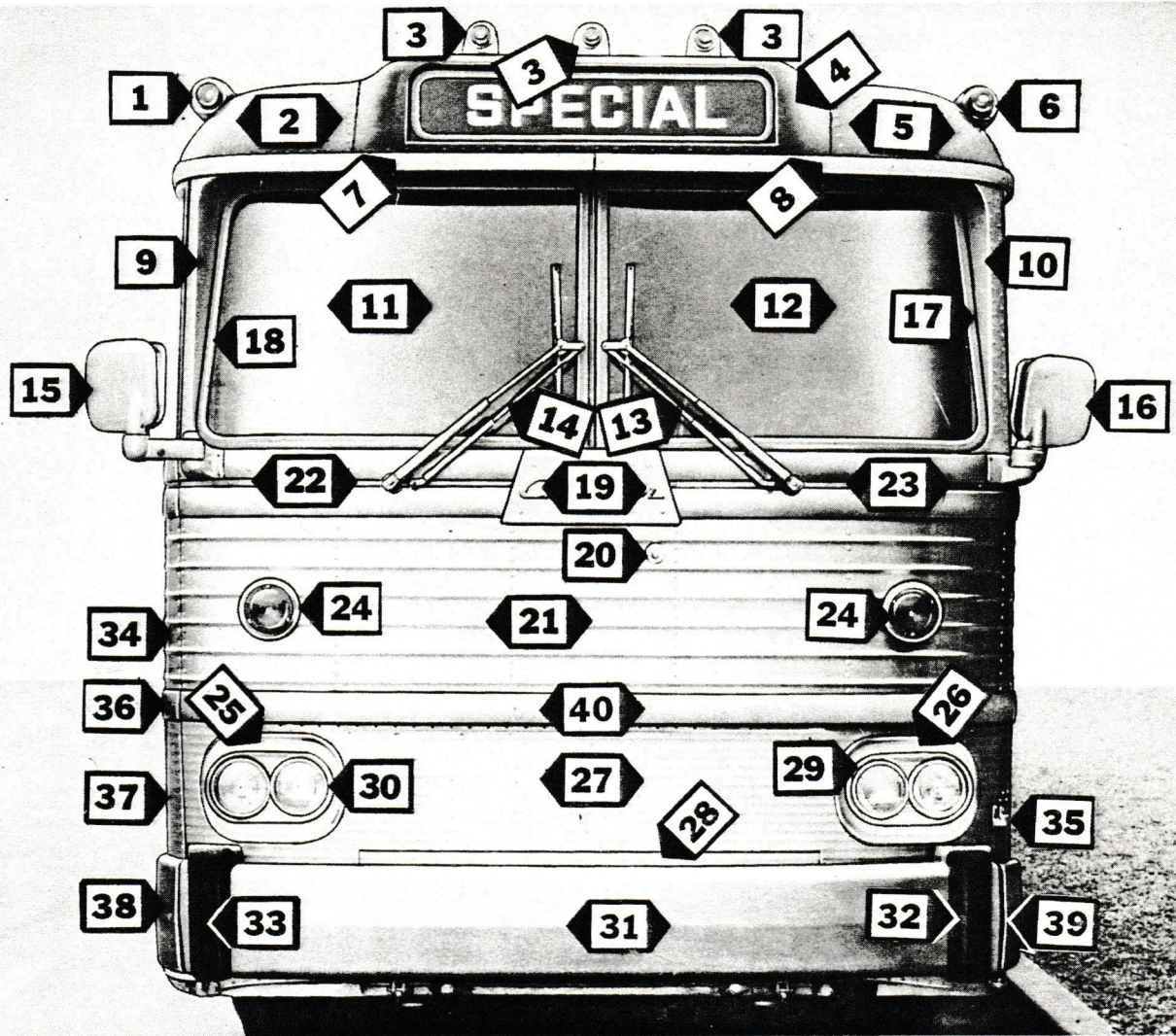
MC-5A &
MCC-5A



REFER TO PARTS BOOK UNDER GROUPS INDICATED BY PART NUMBER FOR DETAILED BREAKDOWN

KEY	PART NO.	DESCRIPTION	KEY	PART NO.	DESCRIPTION
1	3C-35-136	Panel - #4 L.H. Behind Driver's Window	15#	3A-21-38	Bumper Assembly - Rear Center (Non-Extended)
2	3C-35-49	Radiator Screen & Frame Assembly - L.H.	15##	3C-21-49	Bumper Assembly - Rear Center (Non-Extended)
3	7B-7-20	Stop Light Assembly - Less Adapter Casting	15#	3A-21-99	Bumper Assembly - Rear Center (Extended)
4	3B-31-112	Door Assembly - Radiator Compartment L.H.	15##	3C-21-63	Bumper Assembly - Rear Center (Extended)
5	7A-7-68	Turn Light Assembly - Rear L.H. Less Adapter Casting	16	3B-21-13	Bumper Assembly - L.H. Rear C/W Reflector
6	3B-35-107	Panel - Below L.H. Radiator Door	17	3B-21-4	Bumperette - L.H. Rear Side
7	3C-35-74	Door Assembly - Voltage Regulator	18	3C-33-22	Reflector - Rear L.H. & R.H. Side (Red)
8	3B-20-26	Molding - Belt - Rear of Rear Wheel - L.H.	19	7B-4-1	Regulator - 24 V Transistor
9	3B-35-105	Panel - L.H. Below Radiator Screen	20	3A-35-344	Panel - L.H. Plain - Front of Rear Bumperette
10*	3B-20-39	Molding - Belt - Rear Engine Service Door	21	3C-35-105	Panel - L.H. - Rear Lower Corner - Side
10**	3C-20-91	Molding - Outer - L.H. & R.H. Engine Service Doors			
10**	3C-20-92	Molding - Inner - L.H. & R.H. Engine Service Doors	*		Effective Prior to Unit No. 5401
11*	3C-31-34	Door Assembly - Engine Compartment L.H.	**		Effective With Unit No. 5401
11**	3C-31-232	Door Assembly - Engine Compartment L.H.	+		Effective Prior to Unit No. 5467
12+	3C-31-229	Door Assembly - L.H. Side Service	++		Effective With Unit No. 5467
12++	3C-31-255	Door Assembly - L.H. Side Service	#		Effective Prior to Unit No. 6141
13	7A-7-68	Tail Light Assembly - L.H. Rear - Less Adapter	##		Effective With Unit No. 6141
14/	3C-35-115	Panel - L.H. Rear Lower Corner - With Hole For Back-Up Light	/		Optional Equipment
14	3C-35-106	Panel - L.H. Rear Lower Corner - Less Hole For Back-Up Light			

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MODEL MC-5A &
MCC-5A

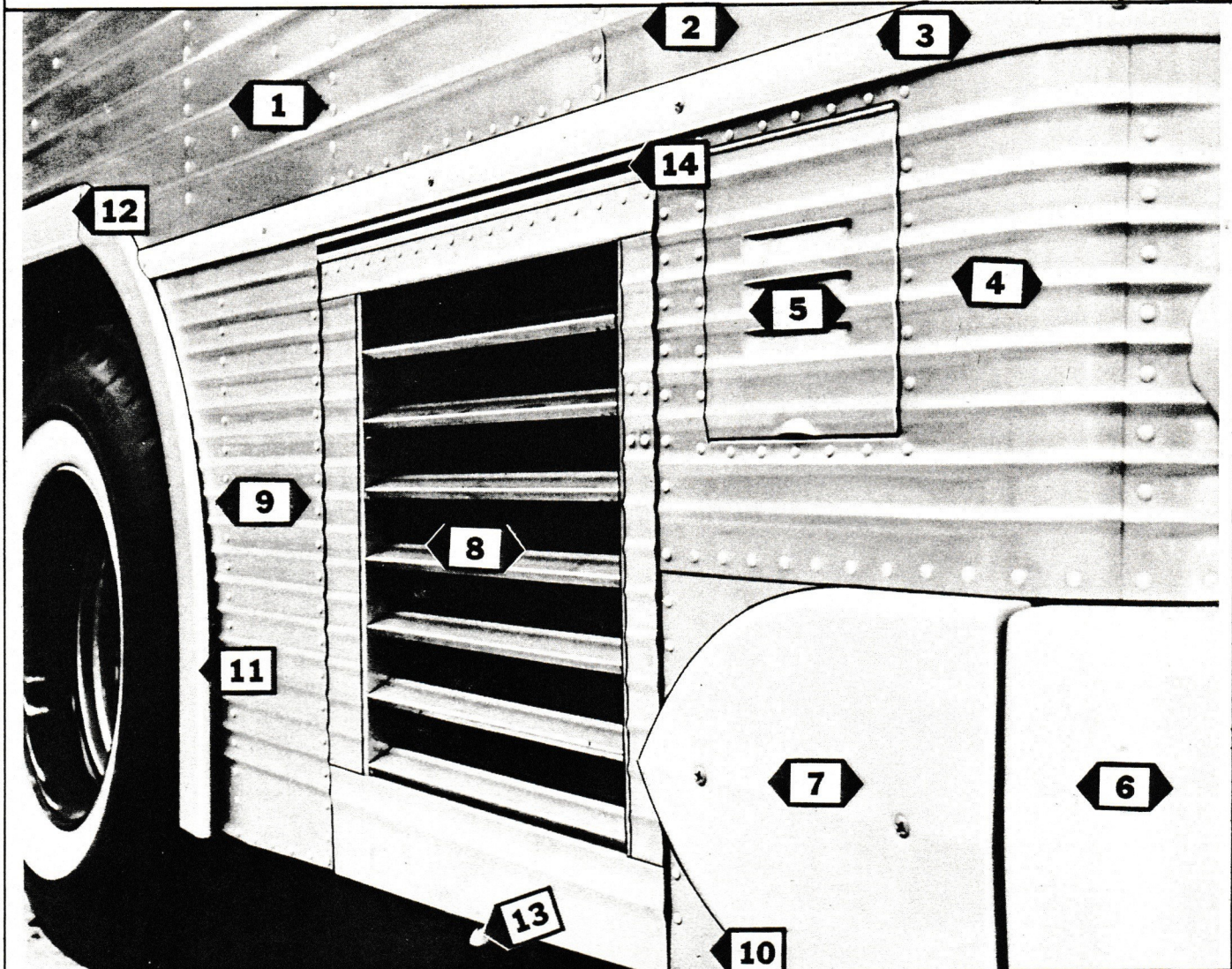
REFER TO PARTS BOOK UNDER GROUPS INDICATED BY PART NUMBER FOR DETAILED BREAKDOWN

KEY	PART NO.	DESCRIPTION	KEY	PART NO.	DESCRIPTION
1	7B-7-9	Marker Light Assembly - R.H. Front & L.H. Rear	20**	3C-10-19	Padlock Assembly - Entrance Door Release
2	3C-35-40	Roof Panel - Front Corner R.H.	21+	3C-35-25	Panel S/A - Below Windshield
3	7C-7-24	Clearance Light Assembly - Front Top Center	21++	3C-35-192	Panel S/A - Below Windshield
4	3C-35-65	Roof Panel - Sign Box	22	3C-20-57	Molding S/A - Below R.H. Windshield
5	3C-35-39	Roof Panel - Front Corner L.H.	23	3C-20-53	Molding S/A - Below L.H. Windshield
6	7B-7-10	Marker Light Assembly - L.H. Front & R.H. Rear	24	7A-7-68	Front Turnlight Assembly
7	3B-20-11	Molding - Reveal - above Windshield R.H.	25	3C-35-207	Panel - Dished R.H. Headlight
8	3B-20-10	Molding - Reveal - above Windshield L.H.	26	3C-35-206	Panel - Dished - L.H. Headlight
9	3A-35-7	Cap S/A - R.H. Windshield Post	27	3C-35-162	Panel S/A - Headlight C/W Shims
10	3B-35-36	Cap S/A - L.H. Windshield Post	28	3C-31-194	Angle S/A - Tire Door Top (Used with Standard Bumpers)
11	3A-27-301	Glass - R.H. Windshield	28	3C-31-209	Angle S/A - Tire Door Top (Used with Extended Bumpers)
12	3A-27-300	Glass - L.H. Windshield	29	7C-7-95	Headlamp Assembly - Dual L.H.
13	3B-34-63	Idle Arm - L.H. Windshield Wiper	30	7C-7-94	Headlamp Assembly - Dual R.H.
14	3B-34-64	Idle Arm - R.H. Windshield Wiper	31	3C-31-302	Bumper - Less Fog Light Holes
15	3A-22-60	Rear View Mirror Assembly - R.H. (Exterior)	31	3C-31-303	Bumper - With Fog Light Holes
16	3A-22-59	Rear View Mirror Assembly - L.H. (Exterior)	32	3A-21-75	Bumper Assembly - L.H. Front
17	3C-27-284	Weatherstrip - L.H. Windshield (Specify Length)	33	3A-21-70	Bumper Assembly - R.H. Front
18	3C-27-284	Weatherstrip - R.H. Windshield (Specify Length)	34	3B-32-69	Panel - Beaded Upper Outer on Entrance Door
19	3C-33-27	Panel - Target (Greyhound)	35	3C-31-52	Hinge Section - On Door - C/W Pin
19	3C-20-66	Panel - Target (Other)	35	3A-31-38	Hinge Section - On Body
20*	3B-10-110	Padlock Assembly - Entrance Door Release	36	3C-20-40	Molding - Reveal - On Entrance Door - Diagonal

KEY	PART NO.	DESCRIPTION	KEY	PART NO.	DESCRIPTION
37	3C-32-24	Panel - Lower Front Side Entrance Door			
38	3C-21-41	Bumperette - R.H. - On Entrance Door			
39	3C-21-34	Bumperette - L.H. - On Front Service Door			
40	3C-20-49	Molding - Headlight Reveal			
+		Effective Prior to Unit No. 5501			
++		Effective With Unit No. 5501			
*		Effective Prior to Unit No. 5539			
**		Effective With Unit No. 5539			

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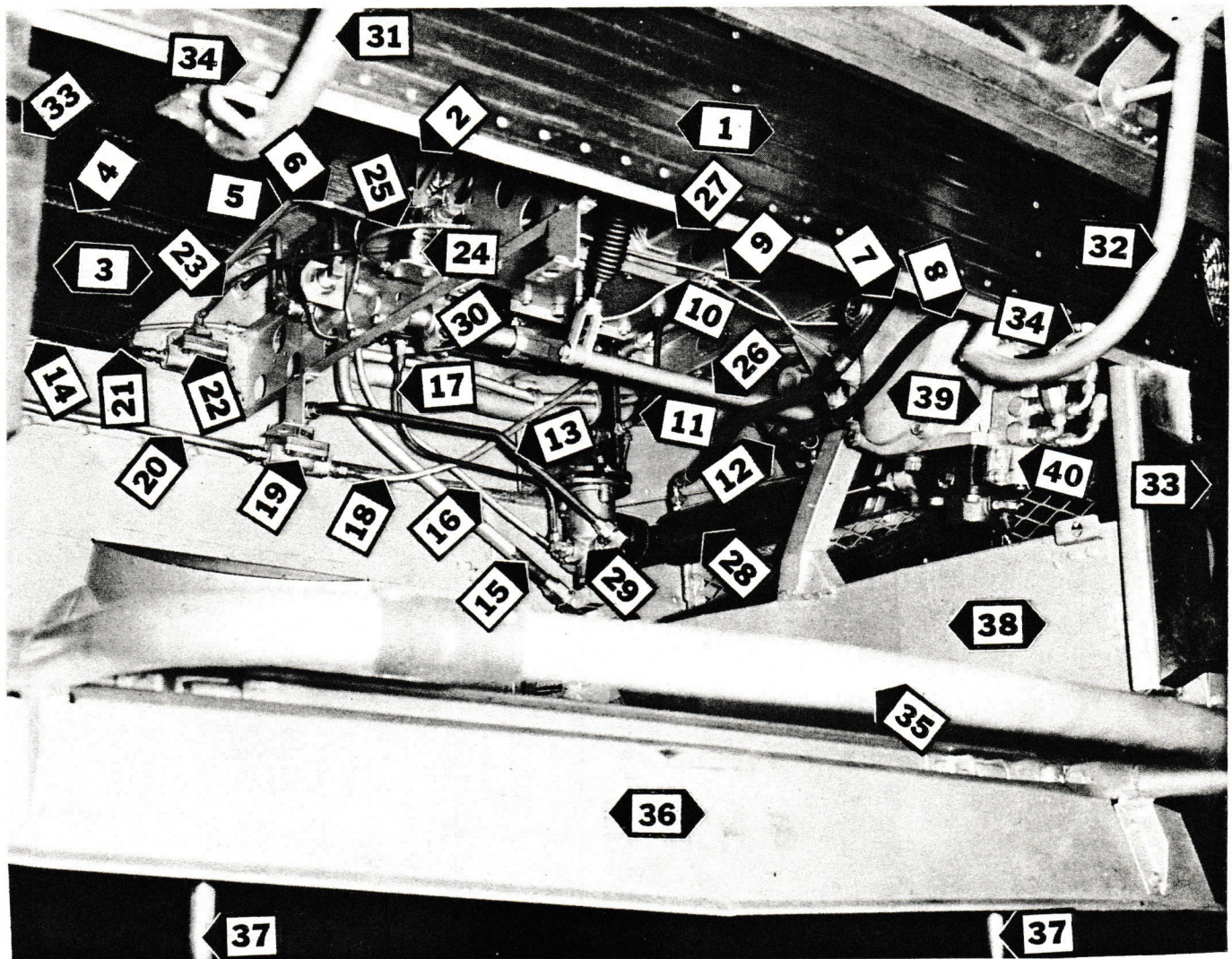
MODEL MC-5A & MCC-5A



REFER TO PARTS BOOK UNDER GROUPS INDICATED BY PART NUMBER FOR DETAILED BREAKDOWN

KEY	PART NO.	DESCRIPTION	KEY	PART NO.	DESCRIPTION
1	3C-35-136	Panel - #4 L.H. Behind Driver's Window			
2	3B-35-105	Panel - L.H. Below Radiator Screen			
3	3B-20-26	Molding - Belt - Rear of Rear Wheel L.H.			
4	3C-35-105	Panel - L.H. - Rear Lower Corner - Side			
5	3C-35-74	Door S/A - Voltage Regulator - Rear L.H. Side			
6	3B-21-13	Bumper Assembly - L.H. Rear - C/W Reflector			
7	3B-21-4	Bumperette - L.H. Rear Side			
8+	3C-31-131	Door Assembly - Side Service - L.H. Complete.			
8++	3C-31-229	Door Assembly - Side Service - L.H. Complete.			
8*	3C-31-255	Door Assembly - Side Service - L.H. Complete.			
9	3B-35-53	Panel - L.H. Rear of Rear Wheelhousing			
10	3A-35-344	Panel - L.H. Plain - Front of Rear Bumperette			
11	3A-23-10	Curved Section - R.H. Front of Rear & L.H. Rear of Rear Wheel			
12	3A-23-5	Straight Section - Center - Front & Rear Wheels	+		Effective Prior to Unit No. 5357
13	3C-31-45	Catch Assembly - Rear Side Service Doors	++		Effective Prior to Unit No. 5467
14	3A-31-366	Hinge - Rubber - 27" Long	*		Effective With Unit No. 5467

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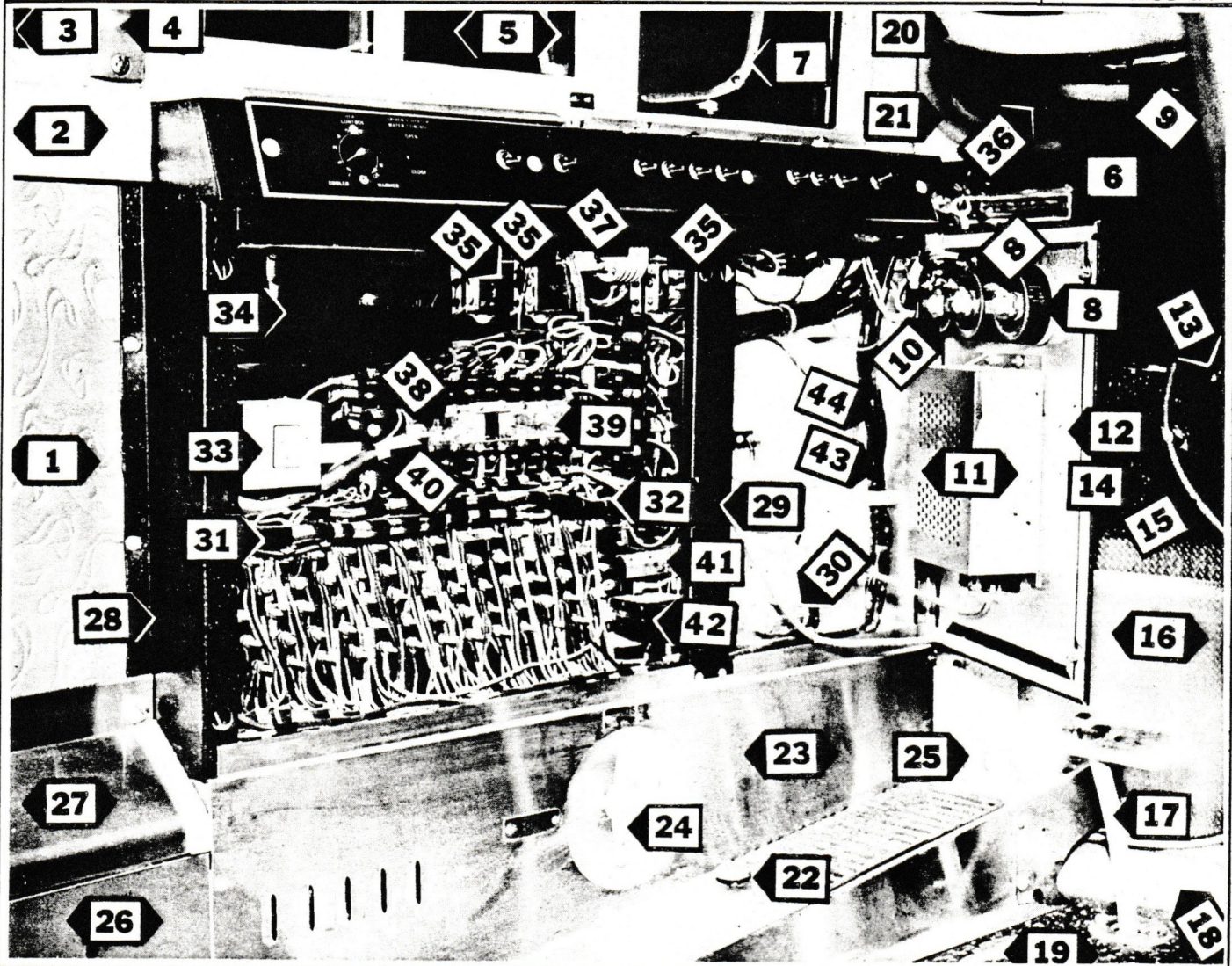
MODEL MC-5A &
MCC-5A

REFER TO PARTS BOOK UNDER GROUPS INDICATED BY PART NUMBER FOR DETAILED BREAKDOWN

KEY	PART NO.	DESCRIPTION	KEY	PART NO.	DESCRIPTION
1	3C-35-162	Panel S/A - Headlight - C/W Shims	21	4C-20-22	Hose S/A - Door Lock Cylinder Feed
2	9B-4-2	Accelerator Control Rod	22	4C-12-1	Valve - Entrance Door Quick Release
3	3C-4-14	Panel - Upper Step Tread Reinforcing	23	4C-20-235	Hose - Plastic - Quick Release to Entrance Door Solenoid Air Valve
4	3A-4-33	Hat Channel - Reinforcing Upper Step Plate	24	16B-10-7	Valve - Air - Entrance Door Lock
5	11C-8-80	Tube - Power Steering Return Line	25	4C-20-236	Hose - Plastic - Entrance Door Solenoid Air Valve to Entrance Door Overrule Valve
6	4C-20-143	Tube - Air Ride Supply Line	26	5A-5-15	Cross Shaft - Clutch - Front
7	11C-8-10	Hose S/A - Power Steering Cylinder Supply - 34 3/4"	27	13C-7-20	Gearshift Lever Assembly
8	11C-8-9	Hose S/A - Power Steering Cylinder Supply - 25"	28	11C-7-27	Booster Cylinder Assembly - C/W Adapter
9	10C-2-29	Tube - Clutch Cross Shaft Grease Line	29	4A-15-115	E-1 Brake Valve Assembly - Complete
10	10C-2-31	Tube - Gearshift Control Box Grease Line	30	3A-52-86	Plate - Gearshift Lever Mounting
11	10C-2-8	Hose S/A - Brake Application Valve Grease Line	31	3C-31-70	Hinge Arm S/A - R.H. Tire Door Mounting (Standard)
12	7C-12-157	Harness - Front Auxilliary	31	3C-31-7	Hinge Arm S/A - R.H. Tire Door Mounting (with Extended Bumpers)
13	4C-20-152	Tube - Front Quick Release Valve Feed	32	3C-31-69	Hinge Arm S/A - L.H. Tire Door Mounting (Standard)
14	7C-12-270	Harness - Side Turn Light	32	3C-31-6	Hinge Arm S/A - L.H. Tire Door Mounting (with Extended Bumpers)
15	4C-20-188	Tube - Dry Air Tank to Brake Application Valve	33	3C-21-25	Spacer - Bumper Stop (Rubber)
16	4C-20-145	Tube - Front Brake Valve to Relay Valve	34	3C-31-12	Spring Catch - Tire Door (Open Position Retaining)
17	4C-20-171	Tube - Stop Light Switch Feed			
18	4C-20-71	Tube - Quick Release Valve L.H.			
19	4C-12-1	Quick Release Valve			
20	4C-20-86	Tube - Quick Release to R.H. Front Brake			

KEY	PART NO.	DESCRIPTION	KEY	PART NO.	DESCRIPTION
35	3C-31-306	Tire Bar Assy. - C/W Panel (Standard)			
35	3C-21-61	Tire Bar Assy. - C/W Panel (with Extended Bumpers)			
36+	3C-21-5	Panel - Gravel Guard (Extended)			
36++	3C-31-296	Panel - Gravel Guard (Extended)			
36+	3C-31-76	Panel - Gravel Guard (Standard)			
36++	3C-31-297	Panel - Gravel Guard (Standard)			
37	3A-31-190	Stud - Male Tire Door Lock			
38*	3C-51-5	Channel S/A - L.H. Tire Compartment Truss			
38**	3C-51-25	Channel S/A - L.H. Tire Compartment Truss			
39	11A-1-53	Steering Gear Assembly - Power			
40	11A-1-83	Valve Assembly - Power Steering			
*		Effective Prior to Unit No. 6101			
**		Effective With Unit No. 6101			
+		Effective Prior to Unit No. 5961			
++		Effective With Unit No. 5961			

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MODEL MC-5A &
MCC-5A

REFER TO PARTS BOOK UNDER GROUPS INDICATED BY PART NUMBER FOR DETAILED BREAKDOWN

KEY	PART NO.	DESCRIPTION	KEY	PART NO.	DESCRIPTION
1	3C-16-290	Panel S/A - Side Wall Air - Dimpled #1 L.H.	18	3C-16-1	Cover Panel - Front Driver's Heater Lines
2	3C-27-205	Trim Bar - L.H. Offset	19	3C-18-21	Floor Covering - Front of Driver's Seat (Specify Material and Color)
3	3C-27-286	Triangular Window Assembly - L.H.	20	11C-2-55	Steering Wheel - 21" Diameter - Power Steering
4	3C-3-11	Bracket - Mounting Driver's Guard Rail at Window	20	11C-2-57	Steering Wheel - 22" Diameter - Standard Steering
5	3C-14-41	Driver's Window Assembly - Complete	21	3C-27-284	Weather Strip - Windshield (Specify Length)
6	3C-1-53	Instruction Plate - Parking Brake Application	22	4-24-77	Valve Assembly - Air Horn
7	3A-22-59	Rear View Mirror Assembly - L.H. (Exterior)	23	3C-17-177	Panel S/A - Heater Duct & Driver's Footrest
8	7B-8-35	Rheostat - Driver's Heater & Defroster	24	16C-10-46	Valve Assembly - Driver's Heater Water - C/W Control Handle
9	3C-1-120	Instrument Panel - Speedometer, Oil & Air Gauge	25	7C-8-104	Dimmer Switch - High or Low Beam & Foglight
9	3C-1-121	Instrument Panel - Speedometer, Oil, Air & Fuel Gauges	26	3C-17-156	Heater Duct S/A - #1 L.H. Complete
9	3C-1-122	Instrument Panel - Tachograph, Oil, Fuel, & Air Gauges	27	3C-17-85	Seat Rail S/A - #1 L.H. Complete
10	7C-8-70	Rheostat - Dash Lights	28	7C-13-138	Front Junction Box - Complete (Specify with or without radio)
11	7C-13-108	Transistorized Amplifier # 480	29	7C-13-141	Post S/A - Between Doors - Front Junction Box
12	7C-13-201	Door S/A - less Amplifier	30	7B-8-154	Flasher - Turn Signal
13	7A-8-144	Tell Tale Light - Turn Light	31*	7C-12-205	Switch Panel Harness - Front Junction Box
14	3C-16-311	Panel S/A - Under Dash C/W Vinyl - Above Driver's Kick Panel	31**	7C-12-261	Switch Panel Harness - Front Junction Box
15	7B-8-142	Tachograph Cable Assembly	32	7C-12-218	Harness - Front Roof
16	3C-16-313	Panel-Under Dash L.H. - Driver's Kick	33	16B-10-36	Heat Control Relay
17	5C-5-22	Pedal S/A - Clutch	34	7C-8-12	Chime - Passenger Signal

KEY	PART NO.	DESCRIPTION	KEY	PART NO.	DESCRIPTION
35	7B-8-33	Buzzer - Lavatory, Fire Alarm & Line Flasher Circuits			
36	3A-27-300	Glass - Front L.H. Windshield			
37	7B-8-23	Fire Detector - 350 deg. setting			
38	7C-13-161	Buss Bar - #37, 7L, 7R, 46, 19, 50, 8 & 31			
39	7C-13-160	Buss Bar - #13, 15, 22, 42, 45, 51, 51 & 4			
40+	7C-12-70	Feeder Cable - Circuit Breaker Front Junction Box			
40++	7C-12-267	Feeder Cable - Circuit Breaker Front Junction Box			
41	7C-13-163	Buss Bar - #3, 65, 33			
42	7C-5-14	Relay - Turn Light Tell-Tale			
43	7C-12-158	Harness - Instrument Panel			
44x	7C-12-159	Harness - Turn Light			
44xx	7C-12-313	Harness - Turn Light			
*		Effective Prior to Unit No. 5457			
**		Effective With Unit No. 5457			
+		Effective Prior to Unit No. 5467			
++		Effective With Unit No. 5467			
x		Effective Prior to Unit No. 6007			
xx		Effective With Unit No. 6007			
/		Optional Equipment			

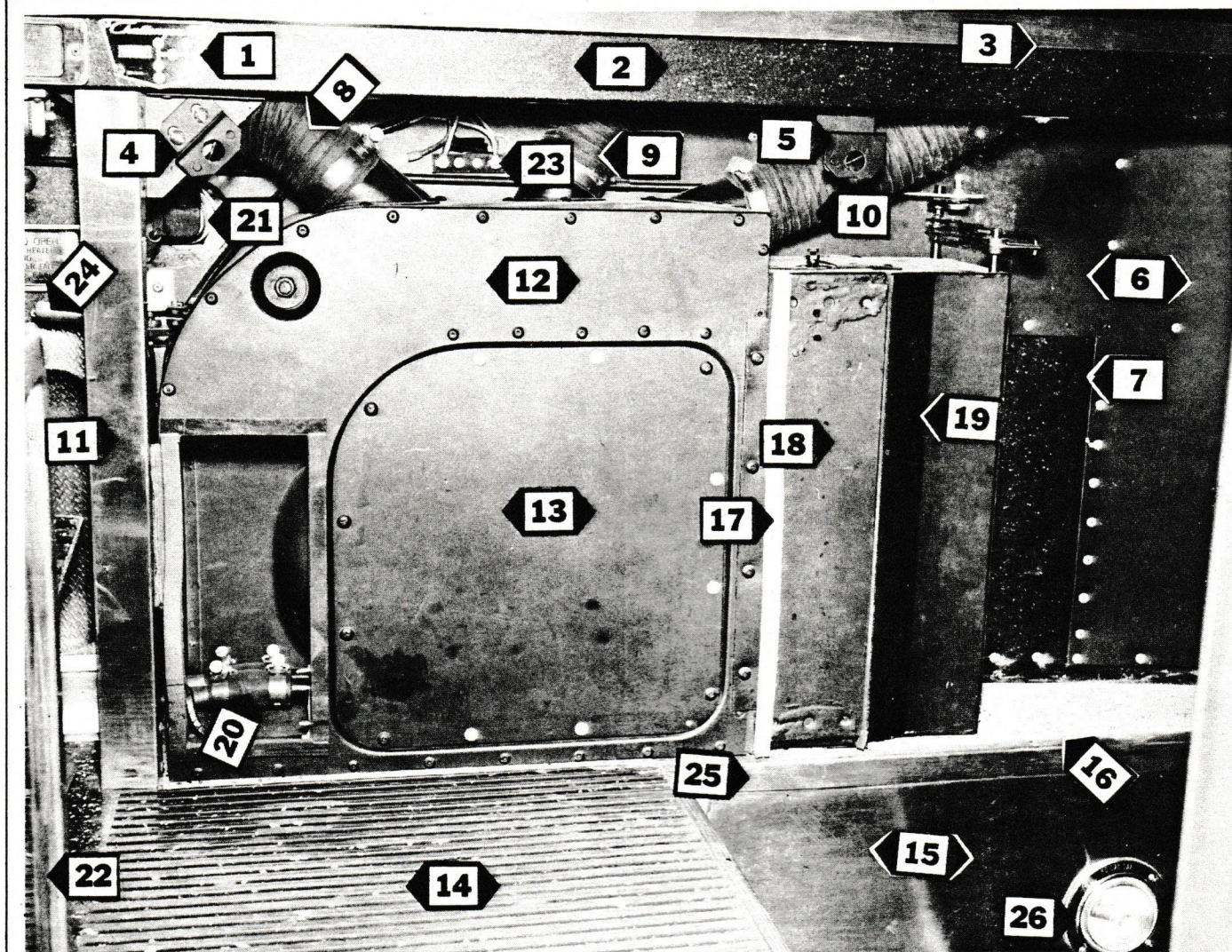
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Effective Prior to Coach Unit No. 5639

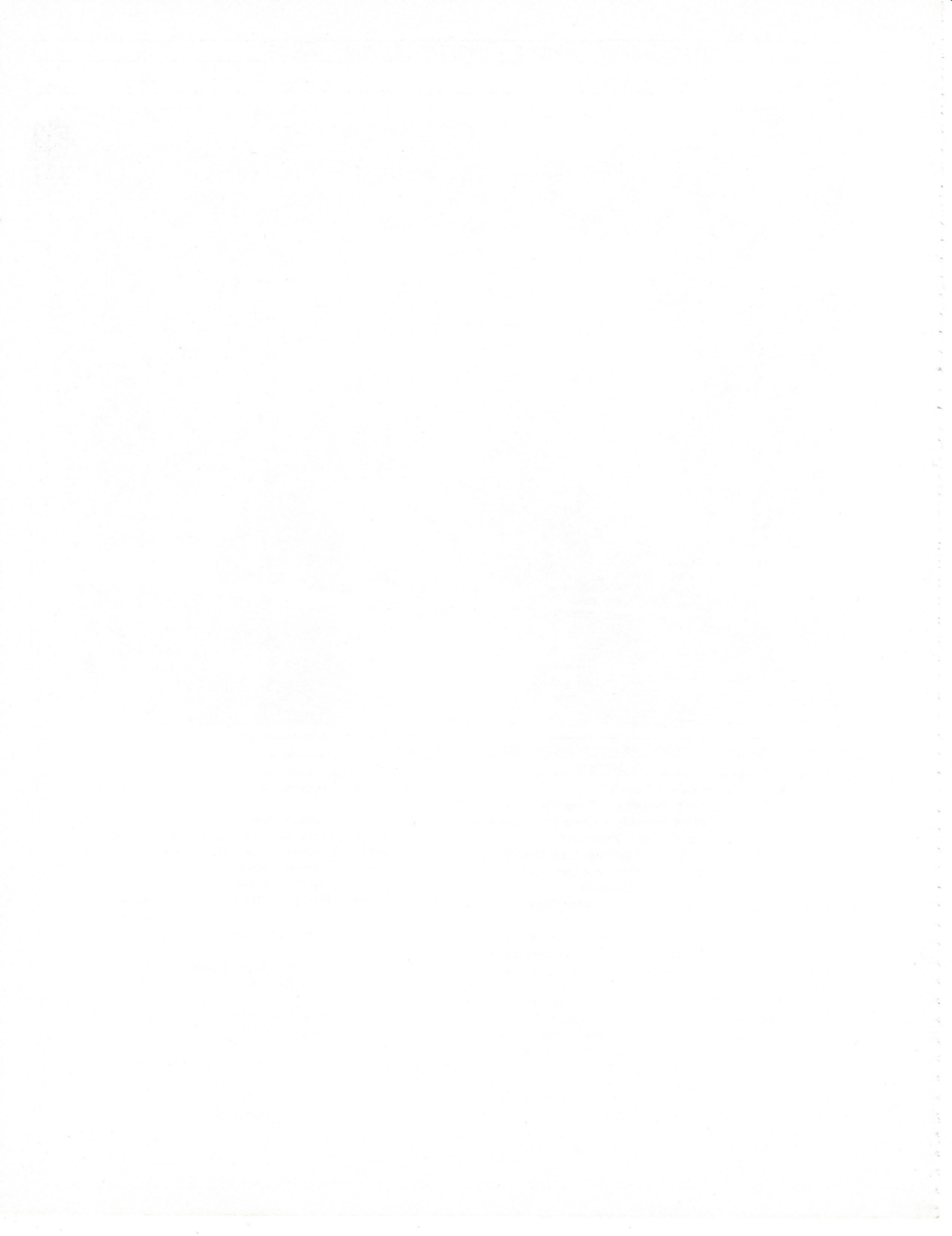
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MODEL MC-5A & MCC-5A



REFER TO PARTS BOOK UNDER GROUPS INDICATED BY PART NUMBER FOR DETAILED BREAKDOWN

KEY	PART NO.	DESCRIPTION	KEY	PART NO.	DESCRIPTION
1	3B-1-4	Nameplate - Gear Shift	20	6A-8-118	Hose & Clamp - 3/4 I.D. x 4 (M12 Breeze Clamp)
2+	3C-75-68	Dashboard Assembly - Complete - Less Vinyl	21*	3B-10-110	Lock Assembly - Entrance Door Release
2++	3C-75-69	Dashboard Assembly - Complete - Less Vinyl	21**	3C-10-19	Lock Assembly - Entrance Door Release
3	3C-1-89	Molding - Long - Dashboard	22	3C-3-14	Driver's Guard Rail Assembly - Complete
4	3B-1-48	Bracket S/A - Dash Door Lock Center L.H.	23x	7A-12-205	Terminal Block - 2 Stud
5	3C-1-86	Bracket S/A - Dash Door Lock Center R.H.	23xx	7C-12-260	Terminal Block - 5 Stud
6	3C-16-257	Panel - R.H. Under Dash	24	7C-15-94	Handle - Driver's Heater Fresh Air
7	3C-1-84	Panel S/A - Center - Under Dash C/W Vinyl & Insulation	25	3C-4-18	Trim Angle - Top of Front Stepwell
8	7A-15-125	Hose - Flexible - L.H. Outer Defroster	26	7A-7-105	Step Light Assembly
9	7A-15-124	Hose - Flexible - R.H. Inner Defroster	*		Effective Prior to Unit No. 5539
10	7A-15-123	Hose - Flexible - R.H. Outer Defroster	**		Effective With Unit No. 5539
11	3C-1-77	Post S/A - L.H. Under Dash	x		Effective Prior to Unit No. 5541
12	7C-15-132	Heater Housing S/A - C/W Selection Damper	xx		Effective With Unit No. 5541
13	7A-15-34	Door - Driver's Heater Access	+		Effective Prior to Unit No. 5401
14	3C-18-20	Floor Covering - Front of Center Aisle (Specify Color & Material)	++		Effective With Unit No. 5401
15	3C-4-43	Panel - Front Side Wall			
16	3B-18-22	Floor Covering - Under Dash R.H. (Specify Color & Material)			
17	N.P.N.	Permastick Seal - 3/8 x 1/2 (#122C)			
18	7A-15-219	Core Assembly			
19	7C-15-30	Air Chamber - Damper Control Box			
20	6A-8-118	Hose & Clamp - 3/4 I.D. x 4 (M12 Breeze Clamp)			
21*	3B-10-110	Lock Assembly - Entrance Door Release			
21**	3C-10-19	Lock Assembly - Entrance Door Release			
22	3C-3-14	Driver's Guard Rail Assembly - Complete			
23x	7A-12-205	Terminal Block - 2 Stud			
23xx	7C-12-260	Terminal Block - 5 Stud			
24	7C-15-94	Handle - Driver's Heater Fresh Air			
25	3C-4-18	Trim Angle - Top of Front Stepwell			
26	7A-7-105	Step Light Assembly			



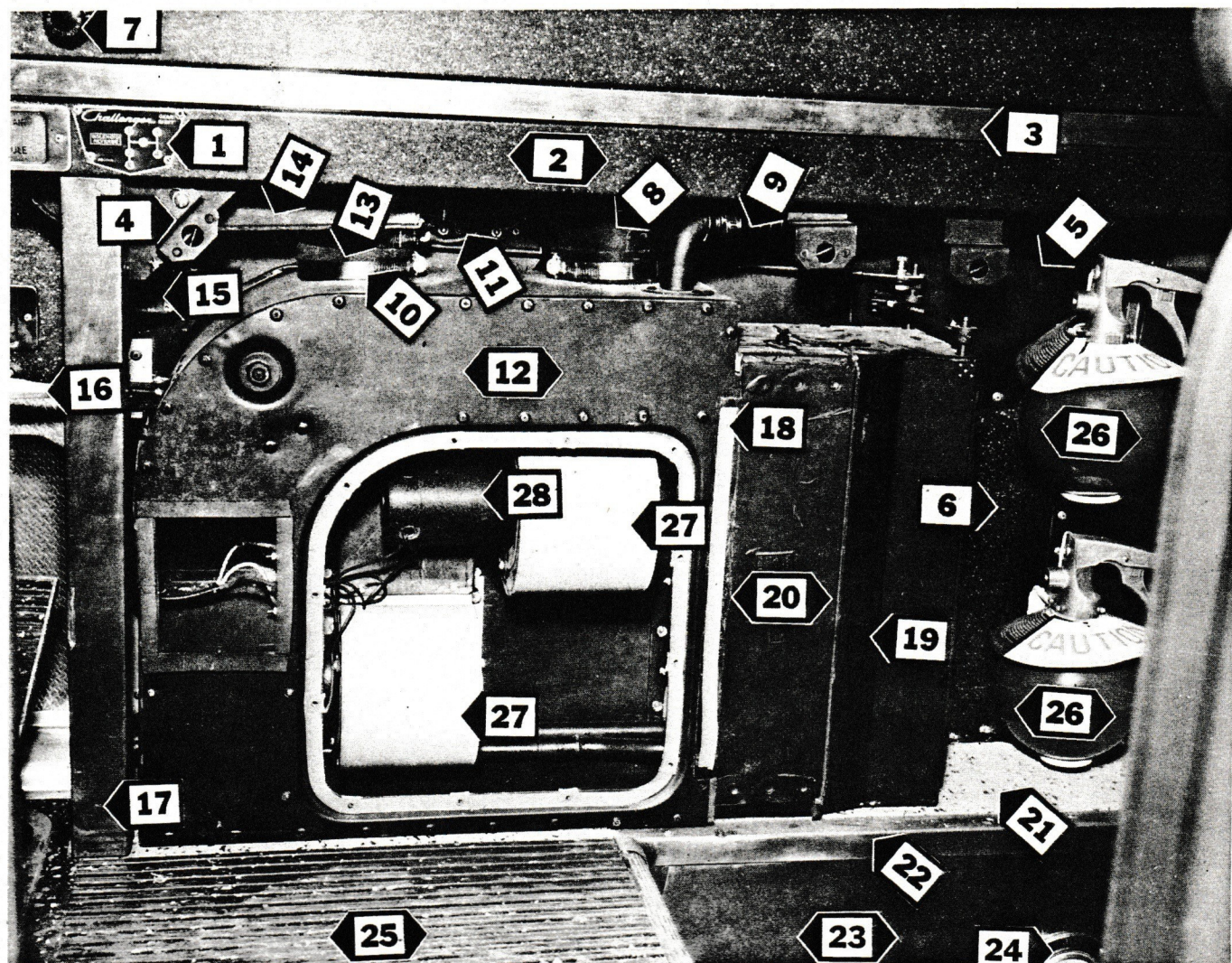
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Effective With Coach Unit No. 5639

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MODEL MC-5A & MCC-5A



REFER TO PARTS BOOK UNDER GROUPS INDICATED BY PART NUMBER FOR DETAILED BREAKDOWN

KEY	PART NO.	DESCRIPTION	KEY	PART NO.	DESCRIPTION
1	3B-1-4	Nameplate - Gear Shift	19	7C-15-30	Air Chamber - Damper Control Box
2*	3C-75-64	Dashboard Assembly - Complete - Less Vinyl	20	7A-15-219	Core Assembly
2**	3C-75-65	Dashboard Assembly - Complete - Less Vinyl	21	3B-18-22	Floor Covering - Under Dash R.H. (Specify Material & Color)
3	3C-1-89	Molding - Long - Dashboard	22	3C-4-18	Trim Angle - Top of Front Stepwell
4	3B-1-48	Bracket S/A - Dash Door Lock Center L.H.	23	3C-4-43	Panel - Front Side Wall
5	3C-16-257	Panel - R.H. Under Dash	24	7A-7-105	Step Light Assembly
6	3C-1-84	Panel S/A - Center - Under Dash C/W Vinyl & Insulation	25	3C-18-20	Floor Covering - Front of Center Aisle (Specify Color & Material)
7	3B-34-56	Control Valve - Windshield Wiper	26	3A-15-66	Fire Extinguisher - Type B-20
8	7C-15-168	Hose - R.H. defroster	27	7C-15-154	Motor Assembly - C/W fans and scrolls
9	7C-15-190	Hose - Heater to R.H. diffuser (1 1/4" x 30" Defrost Hose)	28	7C-15-137	Motor Only
10	N.P.N.	Hose Clamp - Fastening defroster hoses (M-64 Breeze)			
11	7C-12-260	Terminal Block - 5 Stud	*		Effective Prior to Unit No. 5918
12	7C-15-141	Driver's Heater Assembly - C/W Motors, Fans & Scrolls	**		Effective With Unit No. 5918
13	7C-15-167	Hose - Lower L.H. Defroster			
14	7C-15-161	Duct S/A - Under Dash for L.H. defroster ducts			
15	3C-10-19	Lock Assembly - Entrance Door Release			
16	7C-15-95	Handle - Driver's Heater Damper Control			
17	3C-1-77	Post S/A - L.H. Under Dash			
18	N.P.N.	Permastick Seal - 3/8 x 1/2 (#122C)			

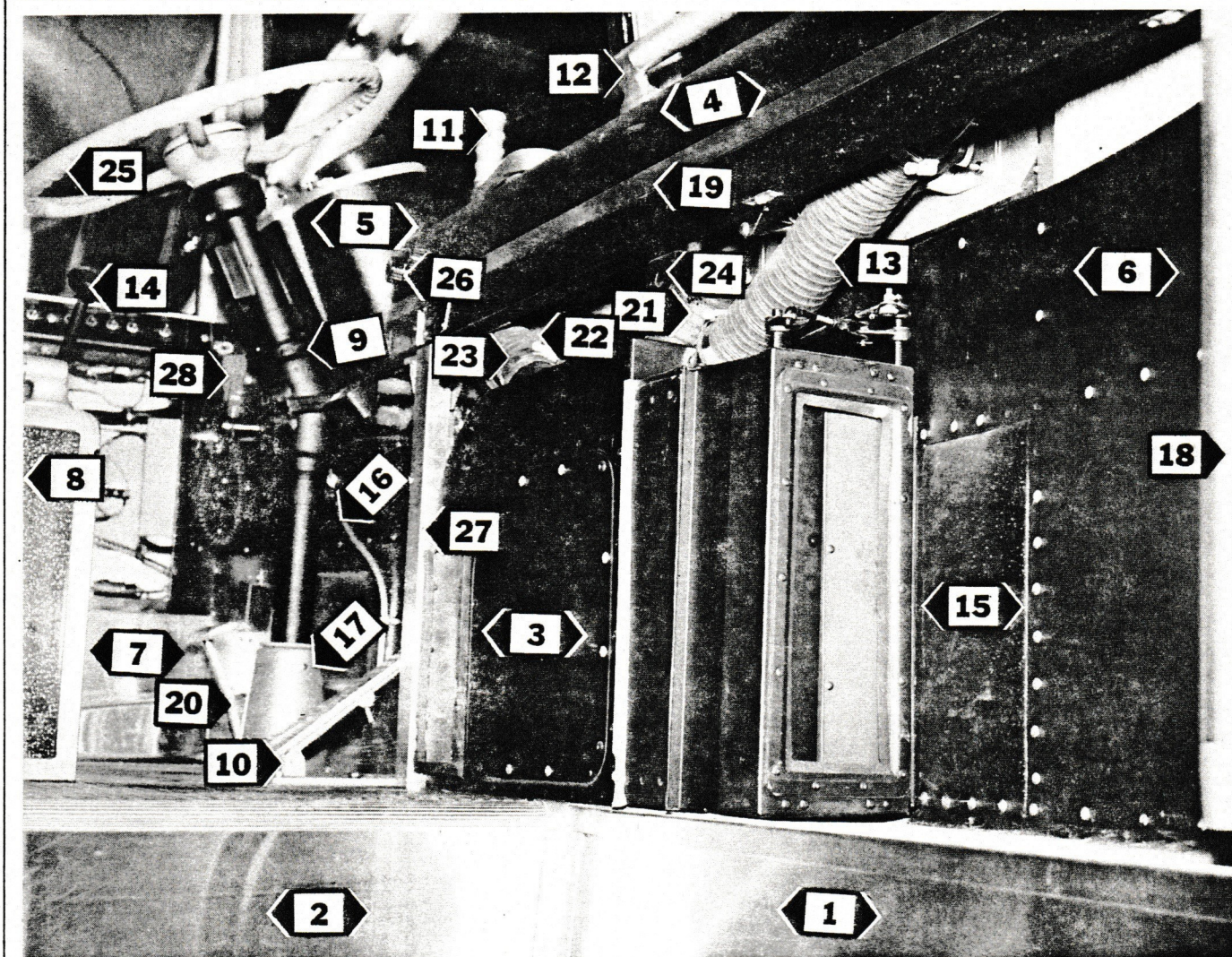
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Effective Prior to Unit No. 5639

Revised January 25, 1967

MC-5A &
MODEL MCC-5A



REFER TO PARTS BOOK UNDER GROUPS INDICATED BY PART NUMBER FOR DETAILED BREAKDOWN

KEY	PART NO.	DESCRIPTION	KEY	PART NO.	DESCRIPTION
1+	3C-4-2	Panel - Front Sidewall	15	3C-1-84	Panel S/A - Center - Under Dash C/W Vinyl and Insulation
1++	3C-4-43	Panel - Front Sidewall	16	7B-8-142	Tachograph Cable - Front
2	3C-4-17	Kick Panel - Upper Stepwell	17	11C-2-34	Base Cover - Steering Column - at Floor
3	7A-15-34	Door - Driver's Heater Access	18	3C-1-111	Grab Rail Assembly - Stepwell - Front
4+	3C-75-68	Dash Board Assembly - Complete - Less Vinyl	19	3C-1-89	Molding - Long, Dash
4++	3C-75-69	Dash Board Assembly - Complete - Less Vinyl	20	5C-5-33	Clutch Pedal Assembly - C/W Rod
5	3C-1-120	Instrument Panel - Speedometer, Oil, Air & Water Gauges	21	7A-15-124	Hose - Flexible - R.H. Inner Defroster
5/	3C-1-121	Instrument Panel - Speedometer, Oil, Air, Water & Fuel Gauges	22	7A-15-127	Hose - Flexible - L.H. Inner Defroster
5/	3C-1-122	Instrument Panel - Speedometer, Oil, Fuel, Water & Air Gauges	23	7A-15-125	Hose - Flexible - L.H. Outer Defroster
6	3C-16-257	Panel - R.H. Under Dash	24	3C-1-86	Bracket - Dash Door Lock - Center R.H.
7	3C-17-177	Panel S/A - Driver's Footrest	25/	11C-2-55	Steering Wheel - (Power Steering)
8	3C-3-17	Panel S/A - Closing Driver's Guard Rail Assy.	25	11C-2-57	Steering Wheel - (Standard Steering)
9	11C-2-56	Steering Column Assembly - C/W Horn Button Less Turn Signal Switch	26	3B-34-56	Control Valve - Wiper Motor "OFF" & "ON"
9/	11C-2-77	Power Steering Column Assembly - Less Turn Signal & Steering Wheel	27	3C-1-77	Post S/A - L.H. Under Dash
10	4C-15-13	Accelerator & Brake Pedal Assembly - C/W Dash	28	7C-13-227	Microphone - Complete with 90° Cannon Plug
11	3A-10-2	Handle Assembly - Entrance Door Control	/		Optional Equipment
12	3C-1-93	Grab Rail Assembly - Dash	+		Effective Prior to Unit No. 5401
13	7A-15-123	Hose - Flexible R.H. Outer Defroster	++		Effective With Unit No. 5401
14	13A-7-39	Handle - Shift Lever Ball			

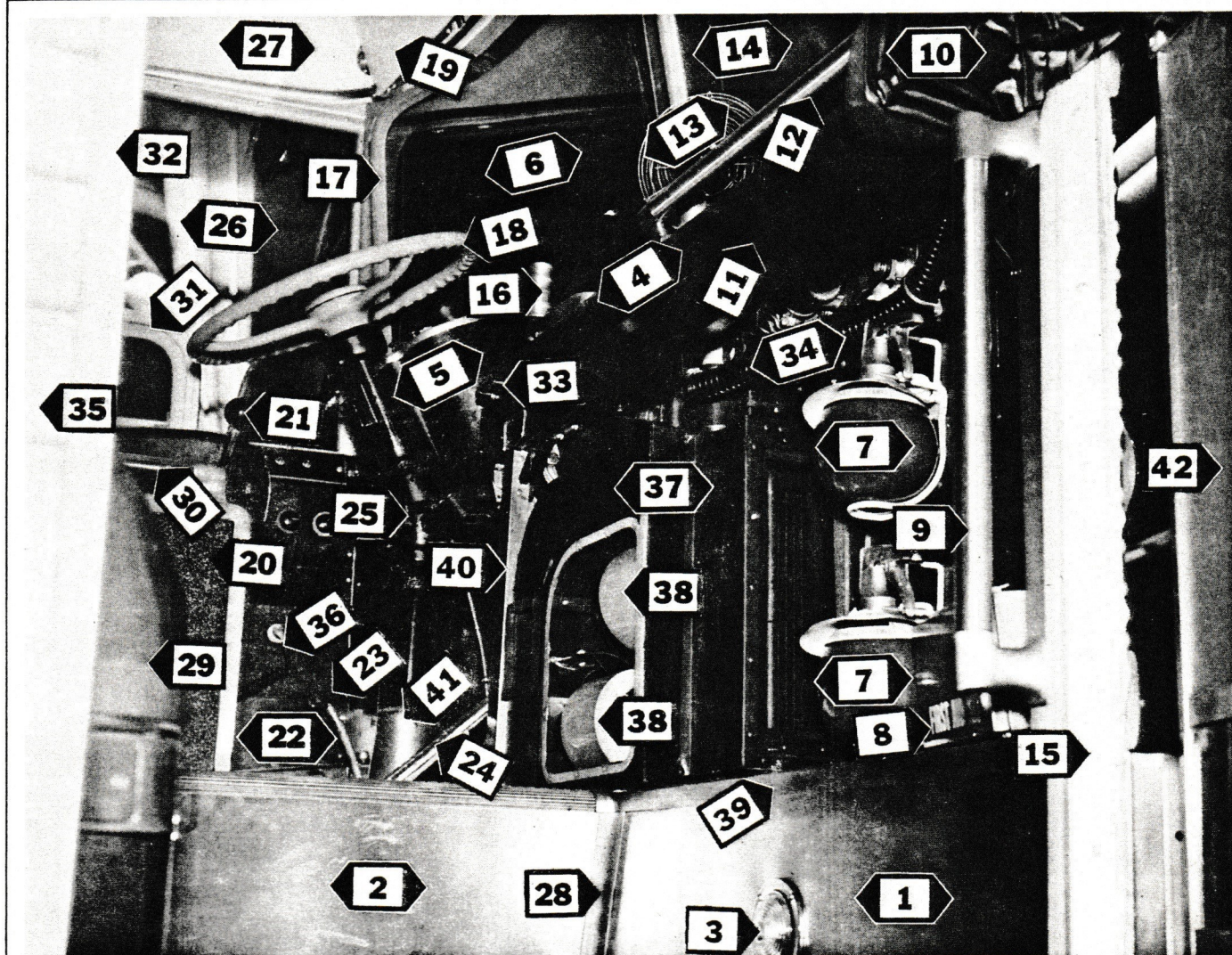
CHALLENGER PARTS IDENTIFICATION GUIDE

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Effective With Unit No. 5639

Revised January 25, 1967

MODEL MC-5A & MCC-5A



REFER TO PARTS BOOK UNDER GROUPS INDICATED BY PART NUMBER FOR DETAILED BREAKDOWN

KEY	PART NO.	DESCRIPTION	KEY	PART NO.	DESCRIPTION
1	3C-4-43	Panel - Front Sidewall	16	3A-10-2	Handle Assembly - Entrance Door Control
2	3C-4-17	Kick Panel - Upper Stepwell	17	3C-27-284	Weatherstrip - Windshield (Specify Length)
3	7A-7-105	Light Assembly - Front of Stepwell	18/	11C-2-55	Steering Wheel - (Power Steering)
4*	3C-75-64	Dash Panel S/A - Complete - Less Vinyl	18	11C-2-57	Steering Wheel - (Standard Steering)
4**	3C-75-65	Dash Panel S/A - Complete - Less Vinyl	19	3C-5-1	Sun Visor Assembly - L.H. - C/W Brackets
5	3C-1-120	Instrument Panel - Speedometer, Oil, Air & Water Gauges	20	3C-3-17	Panel S/A - Closing Driver's Guard Rail Assy.
5/	3C-1-121	Instrument Panel - Speedometer, Oil, Water & Fuel Gauges	21	13A-7-39	Ball - Gearshift Lever
5/	3C-1-122	Instrument Panel - Tachograph, Oil, Water & Fuel Gauges	22	3C-17-177	Panel S/A - Driver's Footrest
6	3A-27-297	Windshield Assembly - L.H. Complete with Rubber Channel & Weatherstripping	23	5C-5-33	Pedal S/A - Clutch
7	3A-15-66	Fire Extinguisher - Type B-20	24	9C-4-5	Pedal S/A - Accelerator With Rubber Ribbed Tread (Specify Color)
8	3-15-580	First Aid Kit - 10 Unit Size - (Mine Safety)	25/	11C-2-48	Power Steering Column Assembly
9	3C-1-111	Grab Rail Assembly - Stepwell	25	11C-2-56	Standard Steering Column Assembly
10	3C-1-116	Cover S/A - Door Control	26	3C-14-41	Driver's Window Assembly - Complete
11	3C-1-89	Molding - Long - Dash	27	3C-16-233	Panel - Ceiling - L.H. - Front Upper Corner
12	3C-1-93	Grab Rail Assembly - On Dash	28	3C-4-52	Cove Molding S/A - Stepwell Front - Welded C/W Studs
13	7B-17-1	Windshield Fan Assembly - Model 95-24 - Complete	29	3C-2-59	Grab Rail Assembly - Modesty Panel - Complete
14	3A-27-298	Windshield Assembly - R.H. Complete With Rubber Channel & Weatherstripping	30	3C-3-14	Driver's Grab Rail Assembly
15	3B-32-2	Extrusion S/A - Entrance Door Seal on Frame - Front	31	3C-14-42	Sash Unit - Front Sliding
			32	3B-32-5	Extrusion S/A - Entrance Door Seal on Frame - Rear
			33	3B-34-56	Control Valve - Wiper "ON" and "OFF"

KEY	PART NO.	DESCRIPTION	KEY	PART NO.	DESCRIPTION
34	7C-15-190	Hose - Heater to R.H. diffuser			
35	3C-35-11	Panel - #1 R.H. Behind Entrance Door - Upper			
36	7C-13-227	Microphone & Mounting Bracket - C/W 90° Cannon Plug			
37	7C-15-141	Driver's Heater Assembly - C/W motors, fans and scrolls			
38	7C-15-154	Motor Assembly - C/W fans and scrolls			
39	3C-4-18	Trim Angle S/A - Top of Front Side Panel			
40	3C-1-77	Post S/A - L.H. Under Dash			
41	11C-2-34	Base Cover - Steering Column at Floor			
42	3C-32-25	Panel S/A - Inner Panel on Entrance Door - With Vinyl (Specify Color)			
/		Optional Equipment			
*		Effective Prior to Unit No. 5918			
**		Effective With Unit No. 5918			

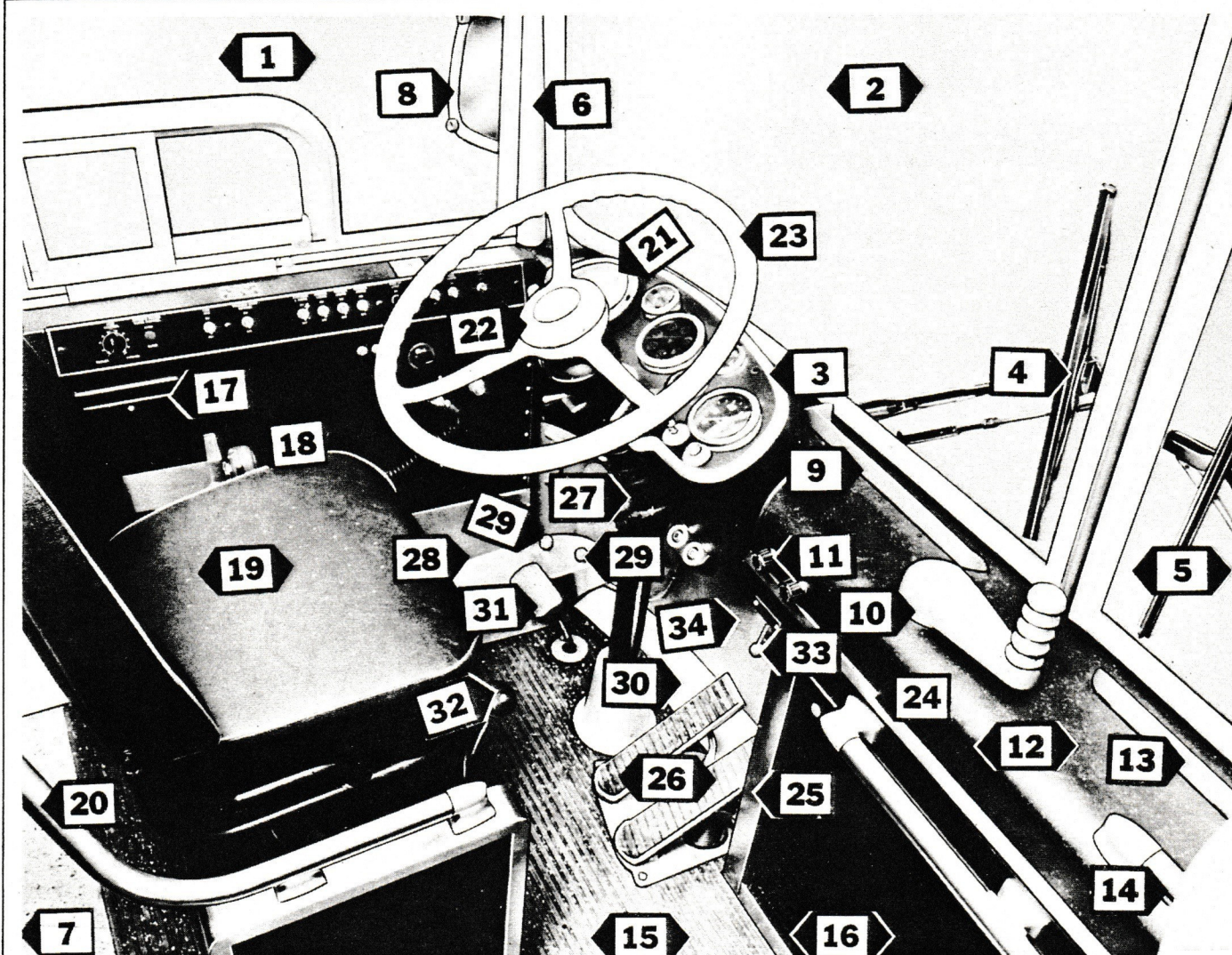
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Effective Prior to Unit No. 5639

Revised January 26, 1967

MODEL MC-5A &
MCC-5A



REFER TO PARTS BOOK UNDER GROUPS INDICATED BY PART NUMBER FOR DETAILED BREAKDOWN

KEY	PART NO.	DESCRIPTION	KEY	PART NO.	DESCRIPTION
1	3C-14-41	Driver's Window Assembly - Complete	17	7C-8-12	Chime - Passenger Signal
2	3A-27-297	Windshield Assembly - L.H. Complete	18	7C-13-227	Microphone & Mounting Bracket C/W 90° cannon plug
3	3C-1-120	Instrument Panel - Speedometer, Oil, Air, and Water Gauges	19/	3C-12-2	Driver's Seat Assembly - Complete (National)
3/	3C-1-121	Instrument Panel - Speedometer, Oil, Water and Fuel Gauges	19/	3C-12-49	Driver's Seat Assembly - Complete (American)
3/	3C-1-122	Instrument Panel - Speedometer, Tachograph, Oil, Water and Fuel Gauges	20	3C-3-14	Driver's Guard Rail Assembly
4	3B-34-72	Wiper Blade	21/	7C-8-63	Tachograph Head Assembly
5	3A-27-298	Windshield Assembly - R.H. Complete	21	7C-8-62	Speedometer Head Assembly
6	3C-16-351	Cap S/A - L.H. Windshield Post	22/	11C-2-50	Horn Button Assembly (Power Steering)
7	3C-18-22	Floor Covering - L.H. - (Specify Material & Color)	22	11-2-177	Horn Button Assembly (Standard Steering)
8	3A-22-59	Rear View Mirror Assembly - L.H.	23/	11C-2-55	Steering Wheel (Power Steering)
9	7C-15-117	Deflector S/A - Defroster - L.H. Inner	23	11C-2-57	Steering Wheel (Standard Steering)
10	3A-10-2	Handle Assembly - Door Control	24	3C-1-89	Molding - Long - Front of Dash Panel - C/W Track
11	3B-34-56	Control Valve - Wiper "ON" and "OFF"	25	3C-1-77	Post S/A - L.H. Under Dash
12+	3C-75-64	Dash Panel S/A - Complete - Less Vinyl	26	4C-15-13	Accelerator & Brake Pedal Assembly
12++	3C-75-65	Dash Panel S/A - Complete - Less Vinyl	27/	11C-2-48	Power Steering Column Assembly
13	7C-15-116	Deflector S/A - Defroster - L.H. & R.H. Outer and R.H. Inner	27	11C-2-56	Standard Steering Column Assembly
14	3C-1-93	Grab Rail Assembly - On Dash	28	3C-17-177	Panel S/A - Driver's Footrest
15	3C-18-21	Floor Covering - Front of Driver's Seat - (Specify Material & Color)	29*	7A-8-3	Switch S/A - Headlight Dimmer & Foglight
16	3C-1-54	Door Assembly - L.H. Driver's Heater	29**	7C-8-104	Switch S/A - Headlight Dimmer & Foglight
			30	3C-16-1	Cover Panel - Front Driver's Heater Lines
			31	5C-5-33	Pedal S/A - Clutch
			32	13A-7-39	Ball - Gearshift Lever

KEY	PART NO.	DESCRIPTION	KEY	PART NO.	DESCRIPTION
✓		Optional Equipment			
*		Effective Prior to Unit No. 5796			
**		Effective With Unit No. 5796			
+		Effective Prior to Unit No. 5918			
++		Effective With Unit No. 5918			

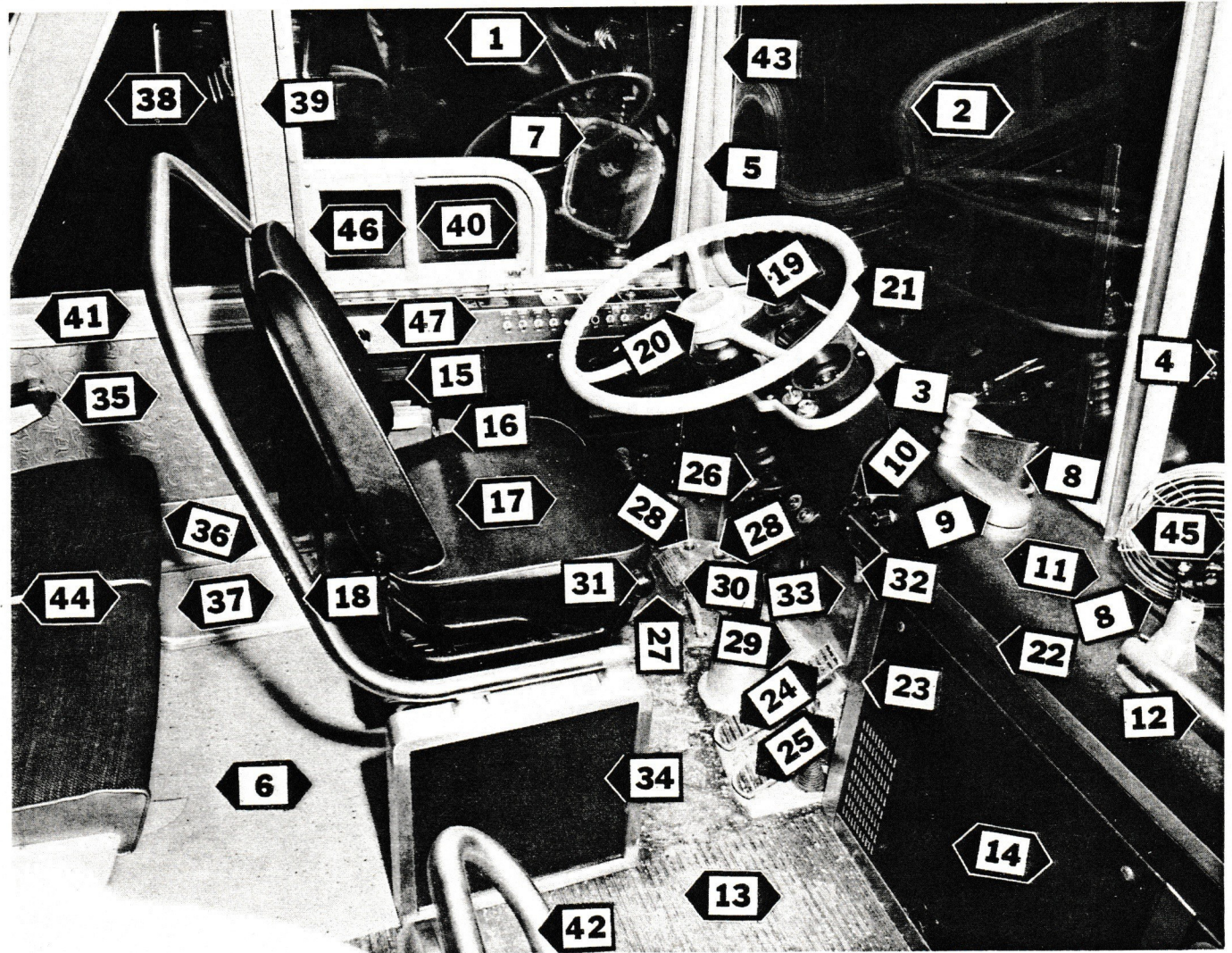
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Effective With Unit No. 5639

Revised January 26, 1967

MC-5A &
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REFER TO PARTS BOOK UNDER GROUPS INDICATED BY PART NUMBER FOR DETAILED BREAKDOWN

KEY	PART NO.	DESCRIPTION	KEY	PART NO.	DESCRIPTION
1	3C-14-41	Driver's Window Assembly - Complete	15	7C-8-12	Chime - Passenger Signal
2	3A-27-297	Windshield Assembly - L.H. Complete	16	7C-13-227	Microphone & Mounting Bracket C/W 90° Cannon Plug
3/	3C-1-120	Instrument Panel - Speedometer, Oil & Air Gauges	17/	3C-12-2	Driver's Seat Assembly - Complete (National)
3/	3C-1-121	Instrument Panel - Speedo., Oil & Fuel Gauges	17/	3C-12-49	Driver's Seat Assembly - Complete (American)
3/	3C-1-122	Instrument Panel - Tachograph, Oil & Fuel Gauges	18	3C-3-14	Driver's Guard Rail Assembly
4	3B-34-72	Wiper Blade - R.H.	19/	7C-8-63	Tachograph Head Assembly
5	3C-16-351	Cap S/A - L.H. Windshield Post	19	7C-8-62	Speedometer Head Assembly
6	3C-18-22	Floor Covering - L.H. (Specify Material and Color)	20/	11C-2-50	Horn Button Assembly - (Power Steering)
7	3A-22-59	Rear View Mirror Assembly - L.H.	20	11-2-177	Horn Button Assembly - (Standard Steering)
8	7C-15-178	Diffuser S/A - Top of Dash Left and Right Hand Center	21/	11C-2-55	Steering Wheel - (Power Steering)
9	3A-10-2	Handle Assembly - Door Control	21	11C-2-57	Steering Wheel - (Standard Steering)
10	3B-34-56	Control Valve - Wiper "ON" and "OFF"	22	3C-1-89	Molding - Long - Front of Dash Panel
11*	3C-75-64	Dash Panel S/A - Complete - Less Vinyl	23	3C-1-77	Post S/A - L.H. Under Dash
11**	3C-75-65	Dash Panel S/A - Complete - Less Vinyl	24	4C-15-3	Brake Pedal and Bushing Assembly - C/W Tread (Specify Color)
12	3C-1-93	Grab Rail Assembly - On Dash	25	9C-4-5	Pedal S/A - Accelerator With Rubber Ribbed Tread (Specify Color)
13	3C-18-21	Floor Covering - Front of Driver's Seat - (Specify Material and Color)	26/	11C-2-48	Power Steering Column Assembly
14	3C-1-54	Door Assembly - L.H. Driver's Heater & Defroster	26	11C-2-56	Standard Steering Column Assembly
			27	3C-17-177	Panel S/A - Driver's Footrest
			28	7C-8-104	Switch S/A - Headlight Dimmer and Foglight
			29	3C-16-1	Cover Panel - Front Driver's Heater Lines
			30	5C-5-33	Pedal S/A - Clutch

KEY	PART NO.	DESCRIPTION	KEY	PART NO.	DESCRIPTION
31	13A-7-39	Ball - Gearshift Lever			
32	4B-21-1	Valve Assembly - Entrance Door Lock Overrule			
33	3C-16-313	Kick Panel - Driver's - L.H. Under Dash			
34	3C-3-17	Panel S/A - Closing Driver's Guard Rail Assy.			
35	3C-16-290	Panel S/A - Side Wall Air - Dimpled #1 L.H.			
36	3C-17-85	Seat Rail S/A - #1 L.H. Complete			
37	3C-17-156	Heater Duct S/A - #1 L.H. Complete			
38	3C-27-286	Triangular Window Assembly - L.H.			
39	3C-3-11	Bracket - Mounting Driver's Guard Rail at Window			
40	3C-14-42	Sash Unit - Front Sliding			
41	3C-27-205	Trim Bar - L.H. Offset			
42	3C-2-59	Grab Rail Assembly - Modesty Panel - Complete			
43	3C-27-284	Weatherstrip - Windshield (Specify Length)			
44/	3C-11-344	Recliner Seat Assembly - L.H. (M.C.I.)			
44/	3C-11-14	Seat Assembly-#1 L.H. - C/W Aisle Light (National)			
44/	3C-11-281	Seat Assembly - #1 L.H. (American)			
45	7B-17-1	Windshield Fan Assembly - Model 95-24 Complete			
46	3C-14-43	Sash Unit - Rear Stationary			
47	7B-13-3	Nameplate - Front Junction Panel Switches			
/		Optional Equipment			
*		Effective Prior to Unit No. 5918			
**		Effective With Unit No. 5918			

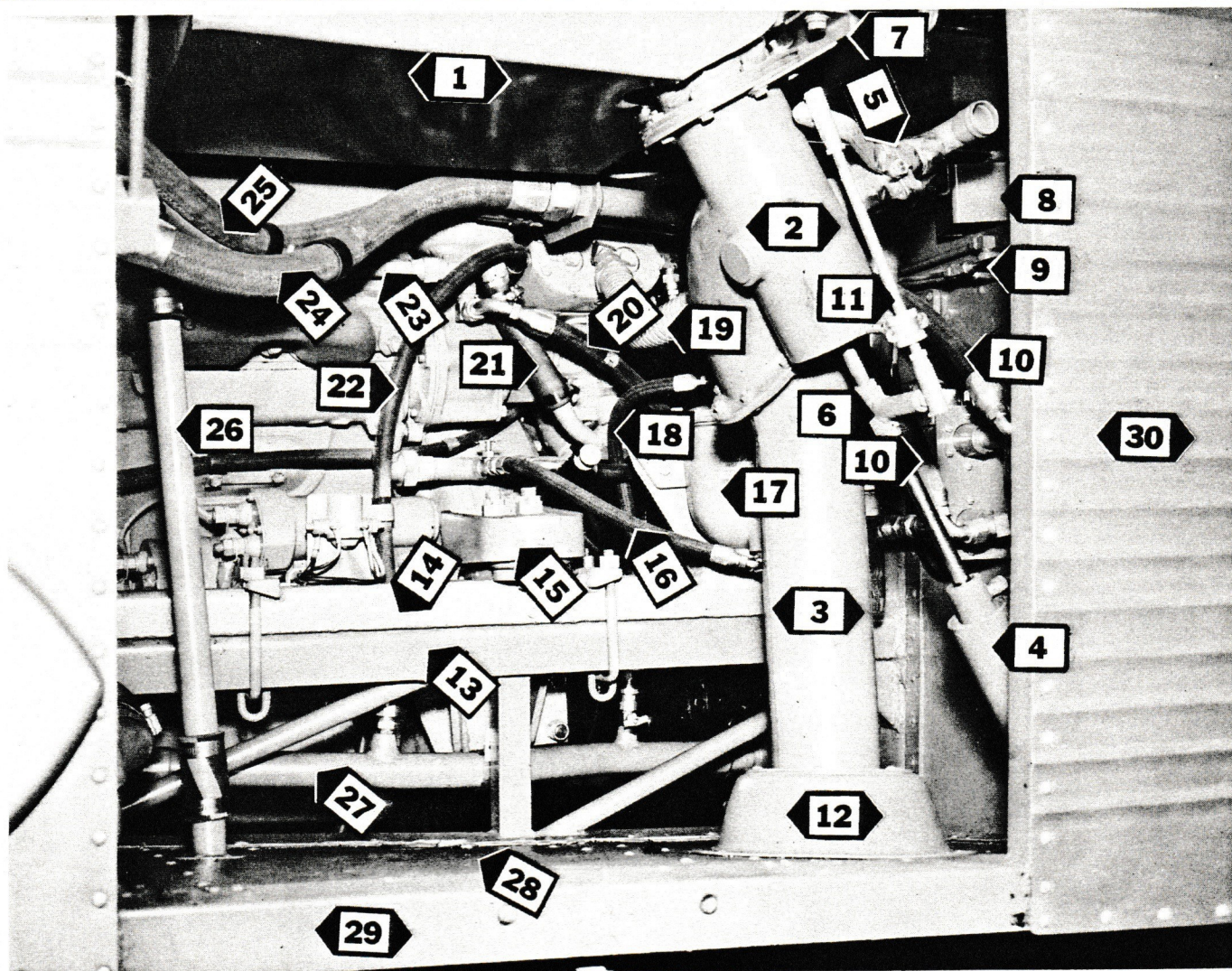
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Effective Prior to Coach Unit No. 6001

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MC-5A &
MODEL MCC-5A

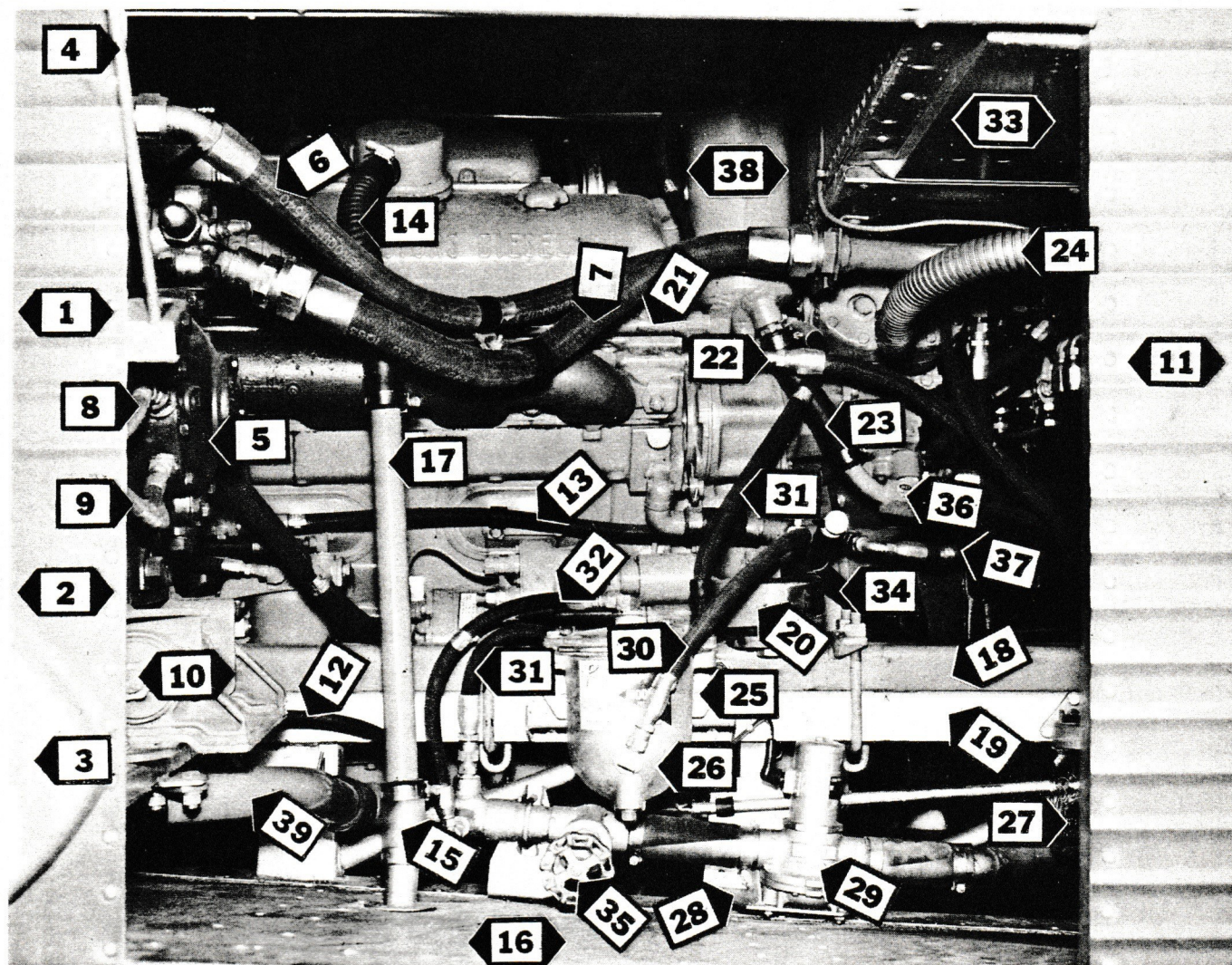


REFER TO PARTS BOOK UNDER GROUPS INDICATED BY PART NUMBER FOR DETAILED BREAKDOWN

KEY	PART NO.	DESCRIPTION	KEY	PART NO.	DESCRIPTION
1	17C-2-1	Chemical Tank Assembly	17	6C-8-11	Filter Assembly - Engine Coolant System
2*	17B-5-19	Y-Casting - Lavatory Dump Body	18	6C-8-25	Hose S/A - Water Filter Outlet
2**	17C-5-55	Y-Casting - Lavatory Dump Body	19	4C-20-191	Hose Assembly - Air Compressor Discharge - Metal
3*	17C-5-31	Drop Tube S/A - Lavatory Dump	20	11C-8-61	Hose S/A - Power Steering Reservoir Inlet
3**	17C-5-73	Drop Tube S/A - Lavatory Dump	21	11C-8-38	Hose - Reservoir to Power Steering Pump Inlet
4	17B-5-20	Air Cylinder Assembly	22#	6C-8-6	Hose S/A - Air Compressor Water Outlet
5	17B-5-9	Valve Assembly - Waste Water Drain	23	11C-8-71	Tube S/A - Oil Filler to Power Steering Reservoir
6	17C-5-83	T-Link - Control Waste Water Valve	24	16C-11-3	Hose S/A - Air Conditioning Compressor Suction
7	17C-5-54	Bracket - Tube Support, Mounting to Dump Tube & Chemical Tank Angle	25	16C-11-5	Hose S/A - Air Conditioning Compressor Pressure
8	4C-9-1	Bracket - Mounting Ping Tank Or Discharge Muffler on Bulkhead	26	8C-16-1	Tube - Engine Crankcase Breather
9	N.P.N.	Anchor Elbow - On R.H. Bulkhead Rear of Rear Bogie - 90° 201010 BW	27#	16C-11-27	Tube S/A - Central Heat Return R.H.
10	11C-8-3	Hose S/A - Power Steering Filter Outlet	28	3C-36-93	Panel S/A - R.H. Motor Floor W/O Lav.
10	11C-8-3	Hose S/A - Power Steering Return	28	3C-36-98	Panel S/A - R.H. Motor Floor W/Lav.
11	17B-5-89	Control Rod Assembly - Waste Water Valve	29	3C-50-43	Rail Assembly - Outer R.H. Engine Floor
12	3C-36-100	Panel - Dished Section Dump Tube Mounting	30	3B-35-83	Panel - R.H. Rear of Rear Wheelhousing
13	3C-50-43	Rail S/A - Engine - Outer R.H.			
14+	8C-18-1	Engine Cradle Assembly - C/W Brackets			
14#	8C-18-53	Engine Cradle Assembly - C/W Brackets			
15	8C-18-43	Mounting Bracket - R.H. at Flywheel Housing	*		Effective Prior to Unit No. 5401
16	6C-8-8	Hose S/A - Water Filter Feed	**		Effective With Unit No. 5401
			+		Effective Prior to Unit No. 5501
			++		Effective With Unit No. 5501
			#		Effective Prior to Unit No. 6001

Effective With Coach Unit No. 6001

Revised January 27, 1967

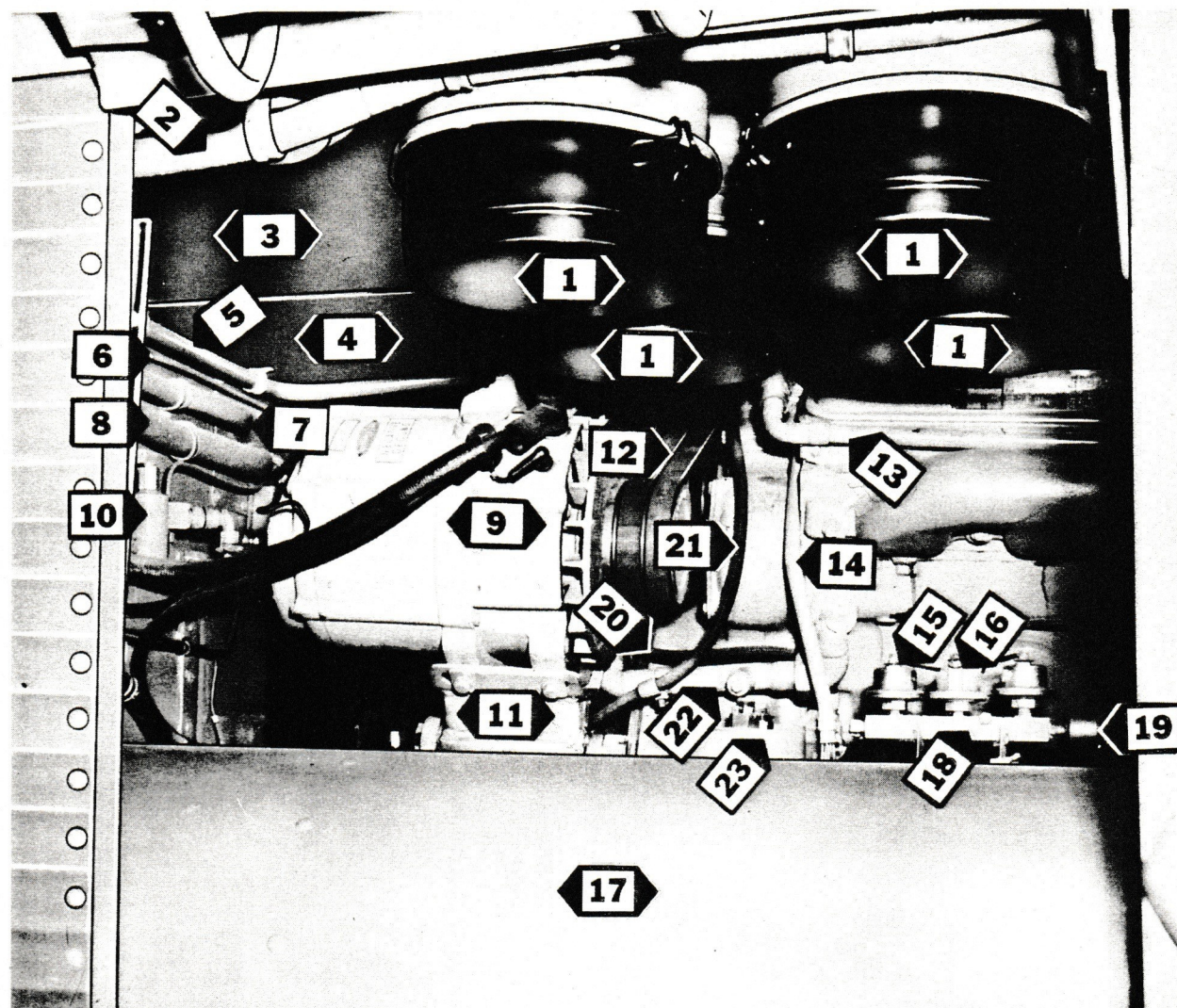
MODEL MC-5A &
MCC-5A

REFER TO PARTS BOOK UNDER GROUPS INDICATED BY PART NUMBER FOR DETAILED BREAKDOWN

KEY	PART NO.	DESCRIPTION	KEY	PART NO.	DESCRIPTION
1	3C-35-107	Panel - Rear Lower Corner - R.H. Side	17	8C-16-1	Tube - Engine Crankcase Breather
2	3A-35-345	Panel-R.H. Plain Behind Rear Bumperette	18**	8C-18-71	Engine Cradle Assembly - C/W Brackets
3	3B-21-5	Bumperette - R.H. Rear Side	19	3C-50-43	Rail S/A - Engine - Outer R.H.
4	3C-31-231	Rod S/A - Side Service Door Prop	20	8C-18-43	Mounting Bracket - R.H. at Flywheel Housing
5	16C-2-18	Compressor Assembly - Air Conditioning - Complete	21	11C-8-71	Tube - Oil Filler to Power Steering Reservoir
6	16C-11-5	Hose S/A - Air Conditioning Compressor Pressure	22	11C-8-61	Hose S/A - Power Steering Reservoir Inlet
7	16C-11-3	Hose S/A - Air Conditioning Compressor Suction	23	11C-8-38	Hose - Power Steering Reservoir to Pump
8	16C-11-64	Hose S/A - Feed - Compressor to Solenoid	24	4C-20-191	Hose Assembly - Air Compressor Discharge (Metal)
9	16C-11-64	Hose S/A - Return - Solenoid to Compressor	25**	6C-8-71	Bracket - Mounting Coolant Filter
10+	16B-2-64	Upper & Lower Base - Air Conditioning Compressor Mounting	26	6C-8-11	Engine Coolant Filter
10+	16C-2-78	Upper & Lower Base - Air Conditioning Compressor Mounting	27	4C-10-12	Alcohol Evaporator
11	3B-35-83	Panel - R.H. Rear of Rear Wheelhousing	28**	16C-11-77	Bracket S/A - Mounting, main heater Water Valve
12	7C-12-12	Ground Cable - Starter Motor	29**	16C-7-41	Valve - Main Water Heater
13	9C-5-35	Fuel Line S/A - Inlet	30	6C-8-8	Hose S/A - Water Filter Feed
14	8C-16-3	Hose - Flexible - Breather Tube to Rocker Cover	31*	6C-8-6	Hose S/A - Air Comp. Water Outlet
15	8C-16-2	Hose - Breather Tube to Engine Floor Fitting	31**	6C-8-70	Hose S/A - Air Comp. Water Outlet
16#	3C-36-88	Panel S/A - R.H. Motor Floor W/Lav.	32	6C-8-25	Hose S/A - Water Filter Outlet
16#	3C-36-98	Panel S/A - R.H. Motor Floor W/Lav.	33	3B-36-82	Panel S/A - R.H. Outer - Under Main Floor in Engine Compt.
16	3C-36-93	Panel S/A - R.H. Motor Floor W/O Lav.	34	13C-10-1	Dipstick S/A - Transmission Oil Check
			35**	16C-11-72	Valve & Fitting S/A - C/H Water return line
			36	11C-8-28	Tube & Elbow S/A - Power Steering Outlet
			37	6C-8-5	Hose Air Comp. Water Supply

KEY	PART NO.	DESCRIPTION	KEY	PART NO.	DESCRIPTION
38	11C-8-27	Reservoir & Filter Assembly - Power Steering			
39	6C-8-15	Pipe - Rad. Outlet - R.H. Lower			
*		Effective Prior to Unit No. 6001			
**		Effective With Unit No. 6001			
+		Effective Prior to Unit No. 5501			
++		Effective With Unit No. 5501			
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Revised January 30, 1967

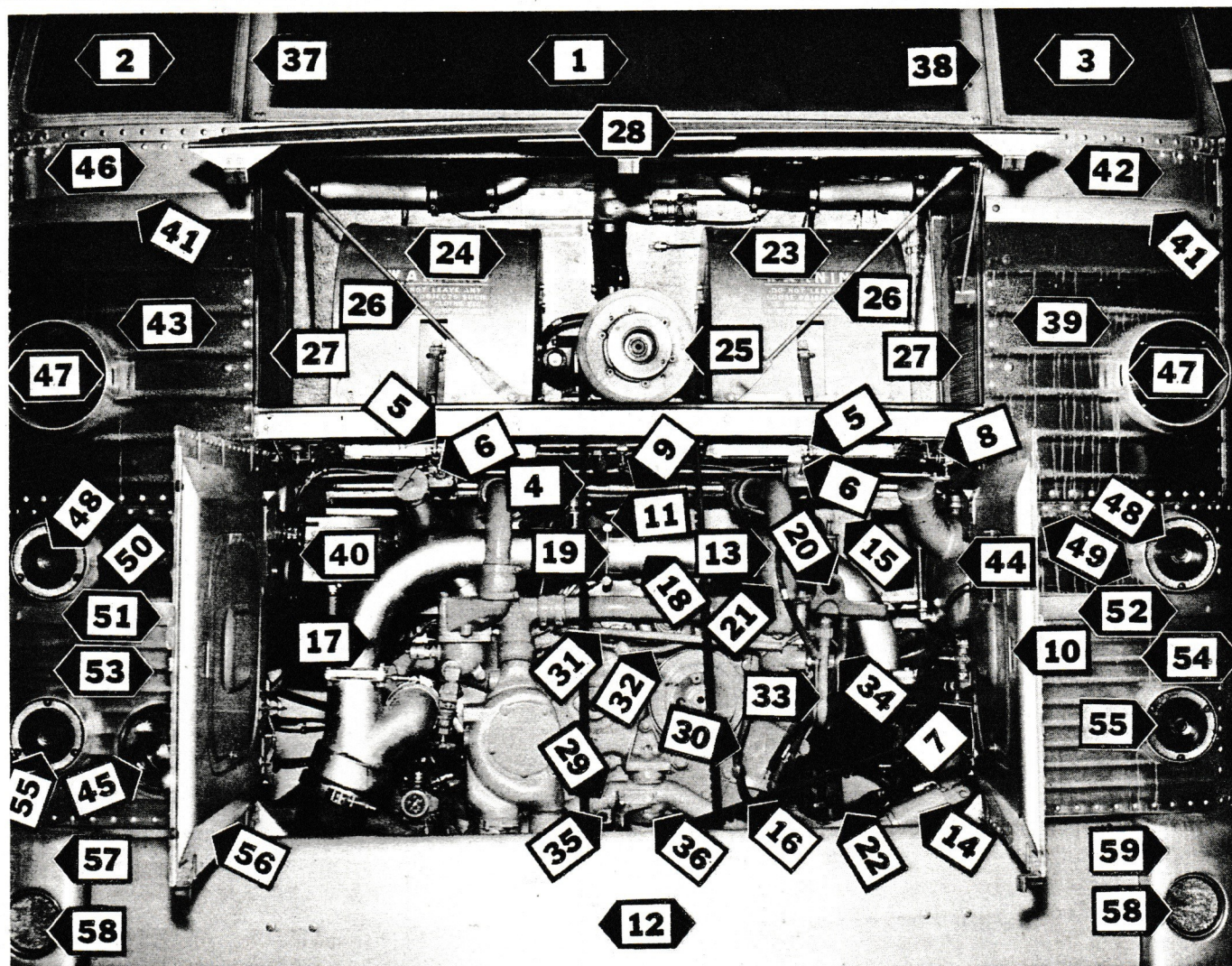
MODEL MC-5A &
MCC-5A

REFER TO PARTS BOOK UNDER GROUPS INDICATED BY PART NUMBER FOR DETAILED BREAKDOWN

KEY	PART NO.	DESCRIPTION	KEY	PART NO.	DESCRIPTION
1	9C-3-107	Air Cleaner Assembly - Complete	12	8B-27-1	V-Belt - Engine to Generator (Serviced in Sets of two)
2+	7B-12-50	Harness - Remote Control	13	6C-8-29	Tube S/A - Driver's Heater Water Feed Line on Engine
2++	7C-12-238	Harness - Remote Control	14	7C-12-132	Harness - Engine - C/W Aluminum Tubing
2##	7C-12-310	Harness - Remote Control	15	8C-28-11	Sending Unit - 3 lb. Low Oil Pressure
3	3B-36-93	Panel S/A - L.H. Outer Under Main Floor In Engine Compartment	16	8A-28-1	Sending Unit - Engine Oil Pressure
4	3B-36-97	Panel S/A - L.H. Inner Under Main Floor In Engine Compartment	17	3B-36-33	Panel S/A - L.H. Motor Floor Formed for Muffler
5	6C-8-33	Tube - Driver's Heater Valve to Rear of Coach	18	8A-18-175	Junction Block - Oil Pressure Sending Units & Gauge
6#	4C-20-185	Tube - From Skinner Valve Outlet to Moisture Ejector Valve Feed	19	8C-28-2	Oil Gauge - Manual - Oil Pressure - On Engine
6##	4C-20-227	Tube - Graham White Valve Solenoid Supply	20	10C-2-1	Hose S/A - Air Compressor - Oil Feed
7*	7C-12-104	Harness S/A - Rear Junction Box Feed	21#	4C-20-127	Hose S/A - Fast Idle Solenoid Valve Feed
7**	7C-12-303	Harness S/A - Rear Junction Box Feed	22*	6C-8-41	Pipe S/A - Between Fitting on Engine and Hose Central Heat Water Valve
8+	7C-12-62	Harness S/A - Main	22**	6C-8-61	Tube & Fitting S/A - R.H. C/H Line on Engine
8+x	7C-12-234	Harness S/A - Main	23*	8C-18-42	Mounting Bracket - L.H. at Flywheel Housing
8xx	7C-12-273	Harness S/A - Main	23**	8C-18-69	Mounting Bracket - L.H. at Flywheel Housing
9	7B-3-149	Generator Assembly - 24 Volt - 215 Amp.			
10	16B-10-7	Solenoid Valve - Moisture Ejector Valve Actuator			
11	8C-24-2	Saddle S/A - Generator Mounting C/W Bearings & "O" Ring			

KEY	PART NO.	DESCRIPTION	KEY	PART NO.	DESCRIPTION
+		Effective Prior to Unit No. 5401			
++		Effective With Unit No. 5401			
#		Effective Prior to Unit No. 6101			
##		Effective With Unit No. 6101			
*		Effective Prior to Unit No. 6001			
**		Effective With Unit No. 6001			
x		Effective Prior to Unit No. 5467			
xx		Effective With Unit No. 5467			

Revised January 30, 1967

MC-5A &
MODEL MCC-5A

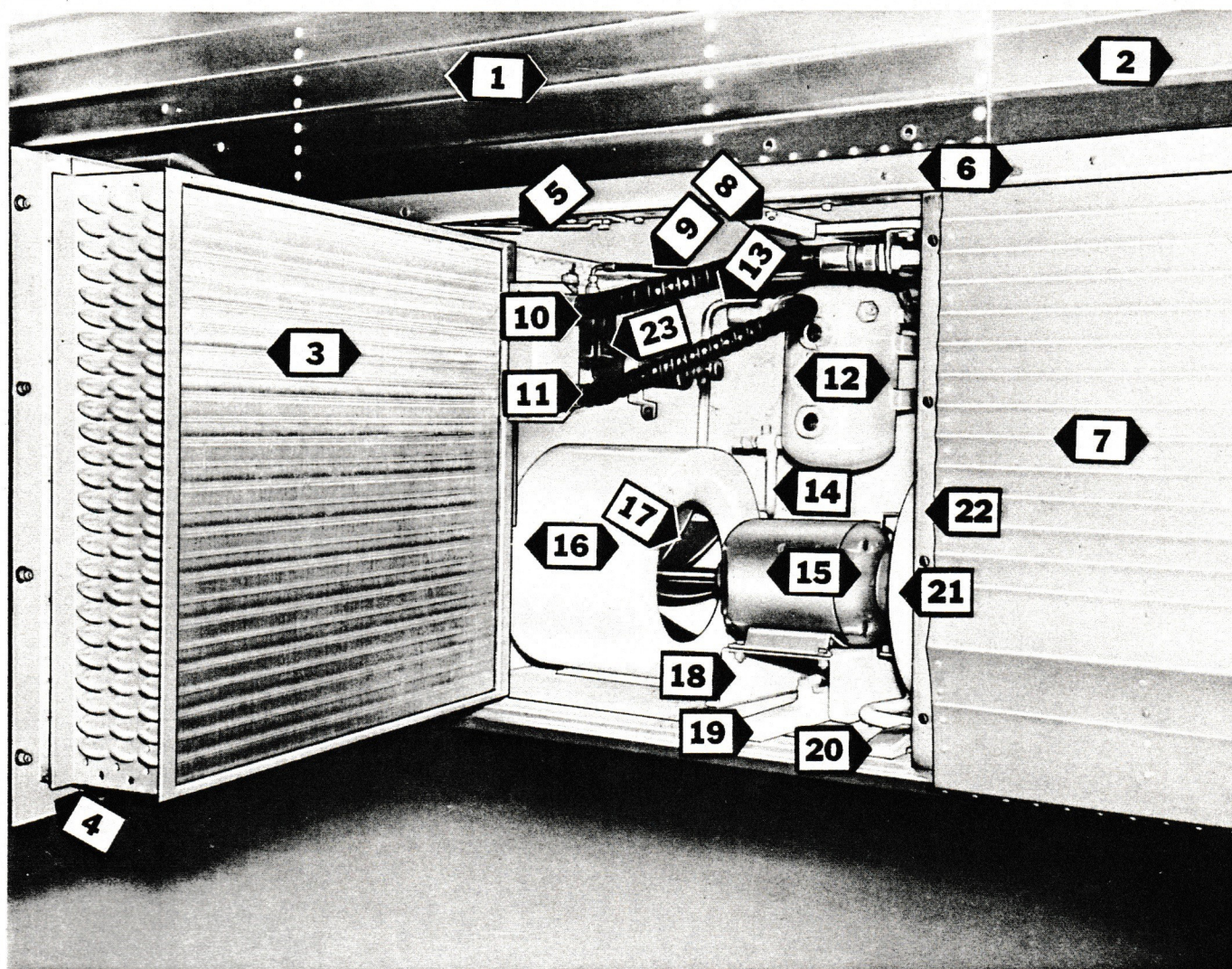
REFER TO PARTS BOOK UNDER GROUPS INDICATED BY PART NUMBER FOR DETAILED BREAKDOWN

KEY	PART NO.	DESCRIPTION	KEY	PART NO.	DESCRIPTION
1	3C-27-158	Sash Assembly - Rear Center - Complete	19	8B-19-4	Clamp - Joining L.H. & R.H. Cross Over Pipes
2	3A-27-332	Sash Assembly - Rear Corner Window - L.H.	20	11C-7-11	Oil Filler & Sight Glass S/A - Power Steering Reservoir
3	3A-27-333	Sash Assembly - Rear Corner Window - R.H.	21	N.P.N.	Hose - 2" I.D.
4	8B-27-2	V-Belt - Crankshaft Pulley to Blower Drive Pulley	22	4C-20-222	Hose S/A - Air Conditioning Belt Tightener Air Cylinder Feed
5	6C-5-49	Lever Arm Assembly - Damper Control - L.H. & R.H.	23	6C-5-4	Housing S/A - R.H. Spotwelded
6	6C-5-37	Air Cylinder Assembly - C/W Brackets - L.H. & R.H.	24	6C-5-3	Housing S/A - L.H. Spotwelded
7	3C-31-108	Bracket S/A - Retaining Hook - On Door	25	6C-6-79	Pulley Assembly - Self Adjusting - Blower Drive
8	3A-31-426	Catch & Spring S/A - Blower Door Ends	26	6C-6-61	Rod & Plate Assembly
9	7C-12-258	Harness S/A - Rear Auxiliary - Engine Compt. C/W Conduit Tubing	27	6B-1-1	Radiator Assembly - L.H. & R.H.
10	3C-31-233	Service Door - R.H. Rear Engine Compt.	28	3B-31-130	Door Assembly - Blower Compartment
11	4C-20-220	Hose S/A - Fast Idle Air Cylinder Feed	29*	8C-18-53	Engine Cradle Assembly
12	3C-21-49	Bumper S/A - Rear Center	29**	8C-18-71	Engine Cradle Assembly
13	6B-8-4	Pipe - Thermostat Housings to Surge Tank Pipe	30	9C-5-42	Fuel Line - Fuel Strainer to Fuel Pump (24 1/4" Long)
14	5B-5-45	Air Cylinder Assembly - Air Conditioning Compressor Belt Tightener	31	7C-12-312	Harness S/A - Motor
15	17C-2-1	Chemical Waste Tank Assembly	32	9C-5-50	Fuel Line - Cylinder Head to Cylinder Head
16	8C-27-6	V-Belt - Crankshaft Pulley to Air Conditioning Compressor	33	11C-8-71	Tube - Oil Filler Neck to Power Steering Fluid Reservoir
17	8C-19-7	Cross Over Pipe S/A - L.H. - Viewing Crankshaft Pulley	34	11C-7-14	Hose S/A - Oil Overflow Line
18	8C-19-4	Cross Over Pipe S/A - R.H. Exhaust	35	3C-31-279	Catch Assembly Rear Engine Compartment Doors

KEY	PART NO.	DESCRIPTION	KEY	PART NO.	DESCRIPTION
36	8A-18-145	Rubber Mount - Crankshaft Pulley End			
37	3B-35-48	Cap - L.H. Rear Window Post			
38	3B-35-49	Cap - R.H. Rear Window Post			
39	3B-31-119	Door Assembly - Radiator Compartment - R.H.			
40	7C-13-9	Remote Control Box Assembly - C/W Electrical Components			
41	3B-20-38	Molding - Below Rear Window - L.H. & R.H.			
42	3B-31-122	Panel - Outer - Upper - R.H.			
43	3B-31-112	Radiator Compartment Door Assembly - L.H.			
44	10C-1-1	Tank S/A - Oil Reserve			
45	7C-7-113	Back-Up Lamp Assembly			
46	3B-31-115	Panel - Outer Upper - L.H.			
47	7B-7-20	Stop Lamp Assembly - Less Adapter Casting			
48	7A-7-68	Turn Light Assembly - L.H. & R.H. - Less Adapter Casting			
49	3B-35-108	Panel - Below R.H. Radiator Door			
50	3B-35-107	Panel - Below L.H. Radiator Door			
51	3B-20-26	Molding - Belt - Rear of Rear Wheel - L.H.			
52	3B-20-31	Molding - Belt - Rear of Rear Wheel - R.H.			
53	3C-35-115	Panel - L.H. - Rear Lower Corner With Hole for Back-Up Light			
54	3C-35-108	Panel - R.H. - Rear Lower Corner			
55	7A-7-68	Rear Tail Light Assembly - L.H. & R.H. Less Adapter Casting			
56	3B-31-112	Door Assembly - Radiator Compartment - L.H.			
57	3B-21-13	Bumper Assembly - L.H. Rear C/W Reflector			
58	3C-33-2	Reflector Only - L.H. & R.H.			
59	3B-21-14	Bumper Assembly - R.H. Rear C/W Reflector			
/		Optional Equipment			
*		Effective Prior to Unit No. 6001			
**		Effective With Unit No. 6001			

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MC-5A &
MODEL MCC-5A

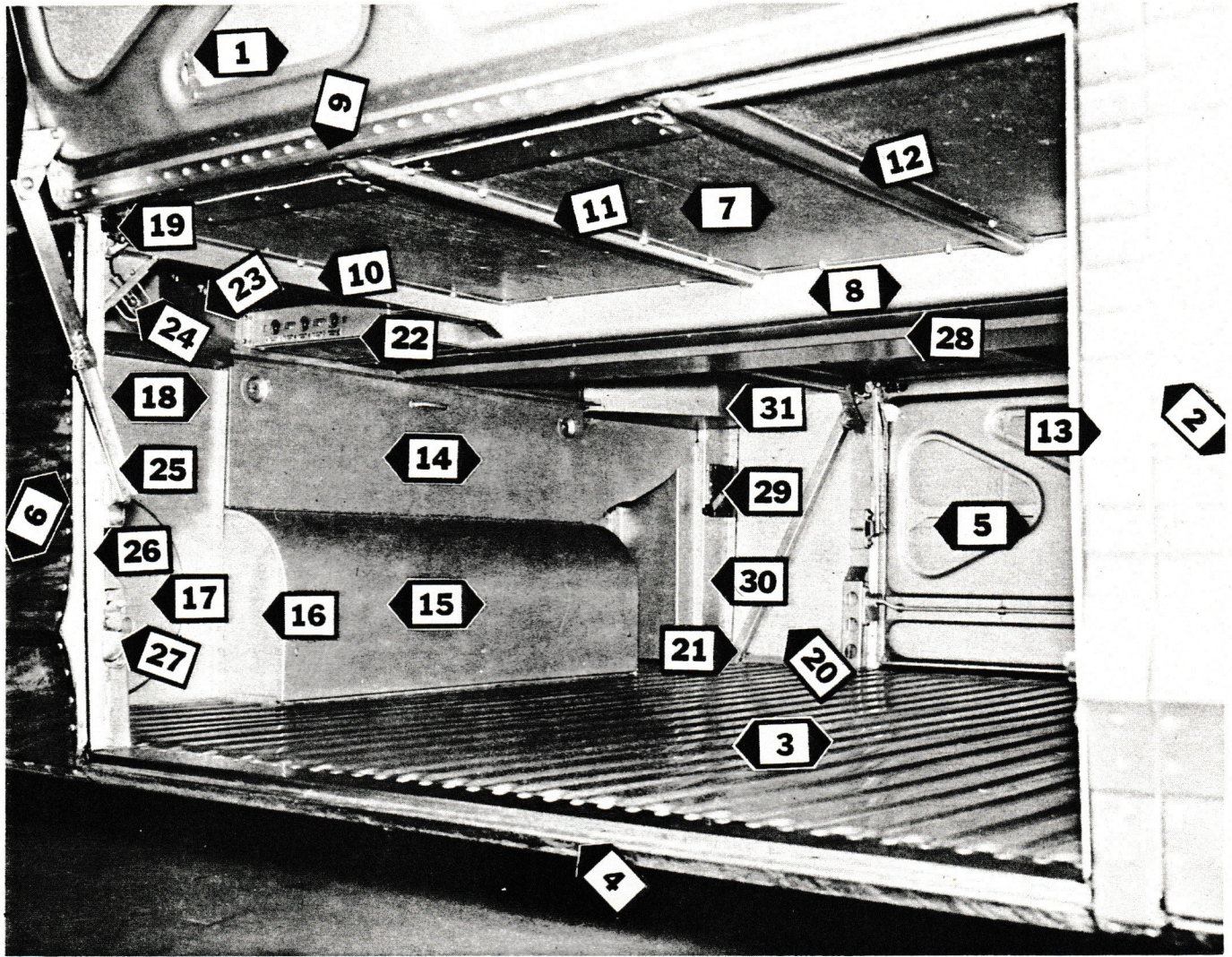


REFER TO PARTS BOOK UNDER GROUPS INDICATED BY PART NUMBER FOR DETAILED BREAKDOWN

KEY	PART NO.	DESCRIPTION	KEY	PART NO.	DESCRIPTION
1	3C-35-10	Panel - #1 L.H. Behind Driver's Window			
2	3C-35-129	Panel - #2 L.H. Behind Driver's Window			
3	16B-4-1	Condenser Coil Assembly			
4	3C-31-177	Condenser Door Assembly			
5	16B-4-3	Stop Arm Assembly - Condenser Door			
6	3C-20-85	Molding S/A - Belt - L.H. Rear of Front Wheelhousing			
7	3C-35-155	Panel S/A - Rear of Condenser Door			
8	3C-43-2	Hat Channel Assembly - Complete			
9	16C-10-29	Hose S/A - High Pressure Safety Switch			
10	16B-11-27	Hose S/A - Air Conditioning Condenser Intake			
11	16B-11-29	Hose S/A - Air Conditioning Condenser Outlet			
12	16B-5-1	Liquid Receiver Assembly			
13	16B-11-52	Tube - Expansion Valve Feed			
14	16B-11-51	Tube - Receiver Tank Outlet			
15	16C-9-11	Motor Assembly - Air Conditioning Condenser 2 H.P.			
16	16B-9-9	Fan Housing Assembly - Condenser Compt.			
17	16B-9-41	Fan Wheel Assembly			
18	16A-9-60	Mounting Bracket - 2 H.P. Condenser Motor			
19	3C-43-8	Channel S/A - Lower Cross Rail Complete			
20	16A-4-4	Wedge - Condenser Door Closing			



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REFER TO PARTS BOOK UNDER GROUPS INDICATED BY PART NUMBER FOR DETAILED BREAKDOWN

KEY	PART NO.	DESCRIPTION	KEY	PART NO.	DESCRIPTION
1	3C-29-195	Baggage Door Assembly	18	16C-12-23	Panel S/A - Air Conditioning Compartment Rear Closing
2	3C-29-195	Baggage Door Assembly	19	7A-8-91	Micro Switch - On Baggage Doors
3	3C-56-57	Panel - Front Baggage Compartment - Lining	20	3C-35-91	Panel - Plywood - Front of Front Baggage Doors - L.H. & R.H.
4	3C-59-39	Skirt Rail Assembly - L.H. Complete	21	3C-42-9	V-Channel - Baggage Compartment Truss - Reinforcing - R.H. Front & L.H. Rear
5	3C-29-195	Baggage Door Assembly	22	7C-13-77	A/C Panel Assembly
6	3C-35-155	Panel S/A - Rear of Condenser Door	23	16B-8-56	Air Duct Cover Assembly - Outer L.H.
7	3C-18-7	Plywood Floor - Section 6 Front to Rear	24	7A-7-75	Light Assembly - Complete - Baggage Compts.
8	3C-54-13	Rail Assembly - Control Rod Duct L.H. Side	25	3C-29-163	Prop Assembly - C/W Mounting Bracket - L.H. Front & R.H. Rear
9	3C-29-107	Retainer - For Rubber Hinge - On Baggage Door	26	3C-44-43	Post - Rear of Rear & Front of Front Baggage Doors
10	3C-44-47	Hat Channel S/A - Floor Rail Front Baggage Compartment Truss	27	3C-29-190	Striker Plate - L.H. Front & R.H. Rear of Baggage Doors
11	3C-54-3	Cross Rail Assembly - Front of Baggage Compartments	28	3C-36-6	Panel S/A - Front Control Rod Cover
12	3C-54-6	Cross Rail Assembly - Rear of Baggage Compartments	29	7C-8-30	Switch - Battery Disconnect
13	3C-35-149	Panel S/A - R.H. & L.H. Between Baggage Doors	30	3C-36-52	Post - Battery Disconnect Switch Mounting
14	16B-12-9	Door Assembly - Upper C/W Hinge - Air Conditioning Compartment	31	16B-8-44	Air Duct Assembly - Inner - R.H.
15	16B-12-1	Cover Panel Assembly - Lower Curved Section			
16	16B-12-29	Wall Assembly - L.H. Vertical			
17	16C-12-26	Door Assembly - Inspection - Air Conditioning Compartment Wall			

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SECTION 1

Front Axle

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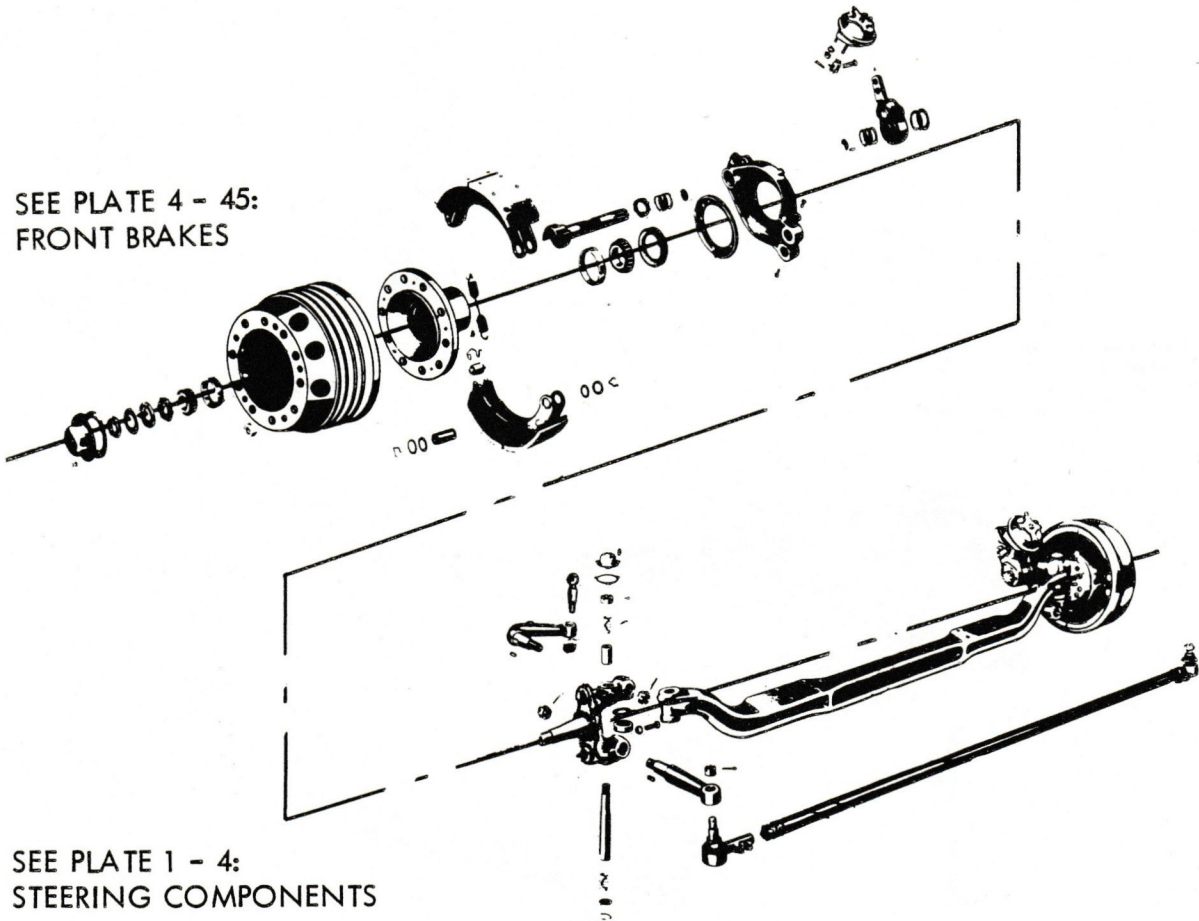
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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
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SEE PLATE 4 - 45:
FRONT BRAKES



SEE PLATE 1 - 4:
STEERING COMPONENTS

PLATE 1 - 3: FRONT AXLE ASSEMBLY

Plate		FRONT AXLE ASSEMBLY	1.0101
1 - 5			
1	1C-1-1	Front Axle Assy., C/W Brakes, Hubs & Drums	1
	1C-1-2	Axle Center	1
	1C-1-3	Nameplate	1
	1C-1-4	Drive Screw - Nameplate	2
2	1C-1-5	Stop Screw - Axle Center	2
3	1C-1-6	Nut - Stop Screw	2

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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
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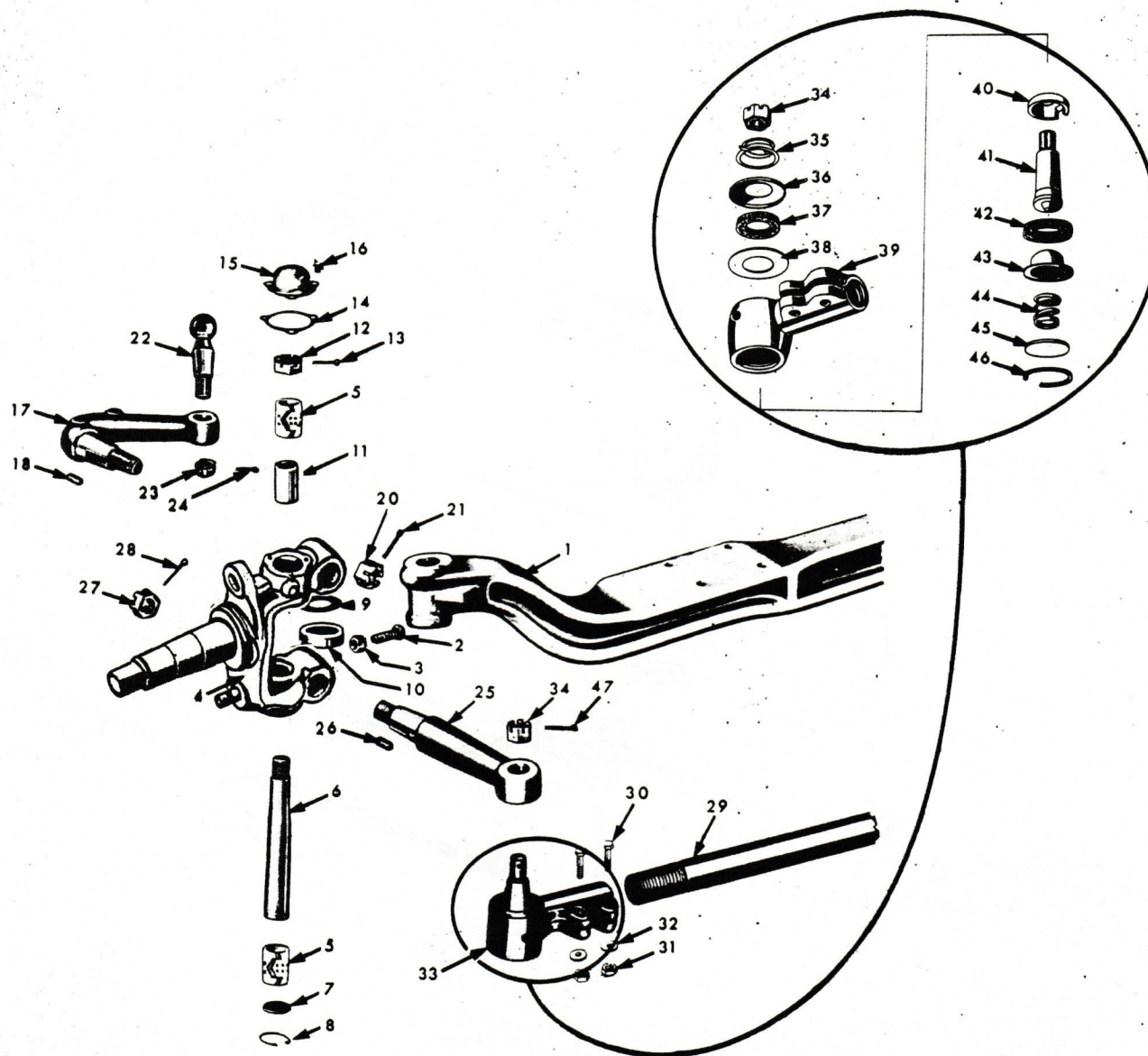


PLATE 1 - 5: STEERING COMPONENTS

Plate	STEERING - FRONT AXLE		
1 - 5			
4	1C-2-1	Steering Knuckle, Bushing & Stud Assy. - L.H.	1
	1C-2-2	Steering Knuckle, Bushing & Stud Assy. - R.H.	1
5*	1C-2-3	Bushing Only	4
	1C-2-4	Stud	2
	1C-2-25	Dowel - Steering Knuckle Stud	4
6*	1C-2-6	Pin - Steering Knuckle	2
7*	1C-2-23	Expansion Plug	2



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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 1 - 5		<u>STEERING - FRONT AXLE (Cont'd)</u>	
8*	1C-2-24	Lock Ring	2
*	1C-2-8	Spacer - .156 (Use as Required)	2
*	1A-2-22	Spacer - .125 (Use as Required)	2
*	1A-2-27	Spacer - .093 (Use as Required)	2
9*	1A-2-23	Shim	2
10*	1C-2-9	Thrust Bearing - Steering Knuckle	2
11*	1C-2-7	Sleeve - Steering Knuckle Pin	2
12*	1A-2-18	Nut - Steering Knuckle Pin	2
13*	1-2-130	Cotter Pin - Nut	2
14*	1A-2-25	Gasket - Pin Cap	2
15*	1A-2-24	Cap - Knuckle Pin	2
16*	1A-2-26	Screw - Pin Cap	6
17	1C-2-12	Steering Arm - Main	1
18	1A-2-31	Key - Main Steering Arm	1
	1C-2-14	Washer - Main Steering Arm Nut	1
20	1C-2-13	Nut - Main Steering Arm	1
21	1A-2-32	Cotter Pin - Steering Arm Nut	1
22	1C-2-15	Ball Stud - 1 3/4" (See Sec. 11 - Steering)	1
23	1C-2-16	Nut - Ball Stud	1
24	1-2-130	Cotter Pin - Stud Nut	1
25	1C-2-10	Steering Arm - Cross Tube to Knuckle - L.H.	1
	1C-2-11	Steering Arm - Cross Tube to Knuckle - R.H.	1
26	1A-2-31	Key - Steering Arm to Knuckle	2
27	1-2-531	Nut - Steering Arm	2
28	1A-2-32	Cotter Pin - Steering Arm Nut	2
29	1C-2-17	Cross Tube & End Assy.	1
30	1C-2-18	Clamp Bolt	4
31	1C-2-19	Nut	4
32	1C-2-20	Lockwasher	4
33	1C-2-21	End Assy. - Steering Cross Tube - L.H.	1
	1C-2-22	End Assy. - Steering Cross Tube - R.H.	1
34	1C-2-39	Nut - Stud	2
35	1C-2-38	Spring - Dust Cover	2
36	1C-2-37	Retainer - Dust Cover	2
37	1C-2-36	Rubber Washer	2
38	1C-2-35	Dust Cover	2
39	1C-2-28	Body Only - L.H.	1
	1C-2-29	Body Only - R.H.	1
40	1C-2-27	Bearing	2
41	1C-2-26	Stud	2
42	1C-2-31	Felt Washer	2
43	1C-2-30	Stud Seat	2
44	1C-2-32	Spring - Stud Seat	2

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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 1 - 5		<u>STEERING - FRONT AXLE (Cont'd)</u>	
45	1C-2-33	Plug	2
46	1C-2-34	Lock Ring	2
47	1-2-130	Cotter Pin	2
*	1C-2-44	Shim - .010 (Use as Required)	2
	1C-2-40	Service Kit - Steering Knuckle Pin - Consists of Items marked *	

SECTION 2

Rear Axle

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Rear Axle Assembly	2.01
Housing Group	2.02
Drive Group	2.03

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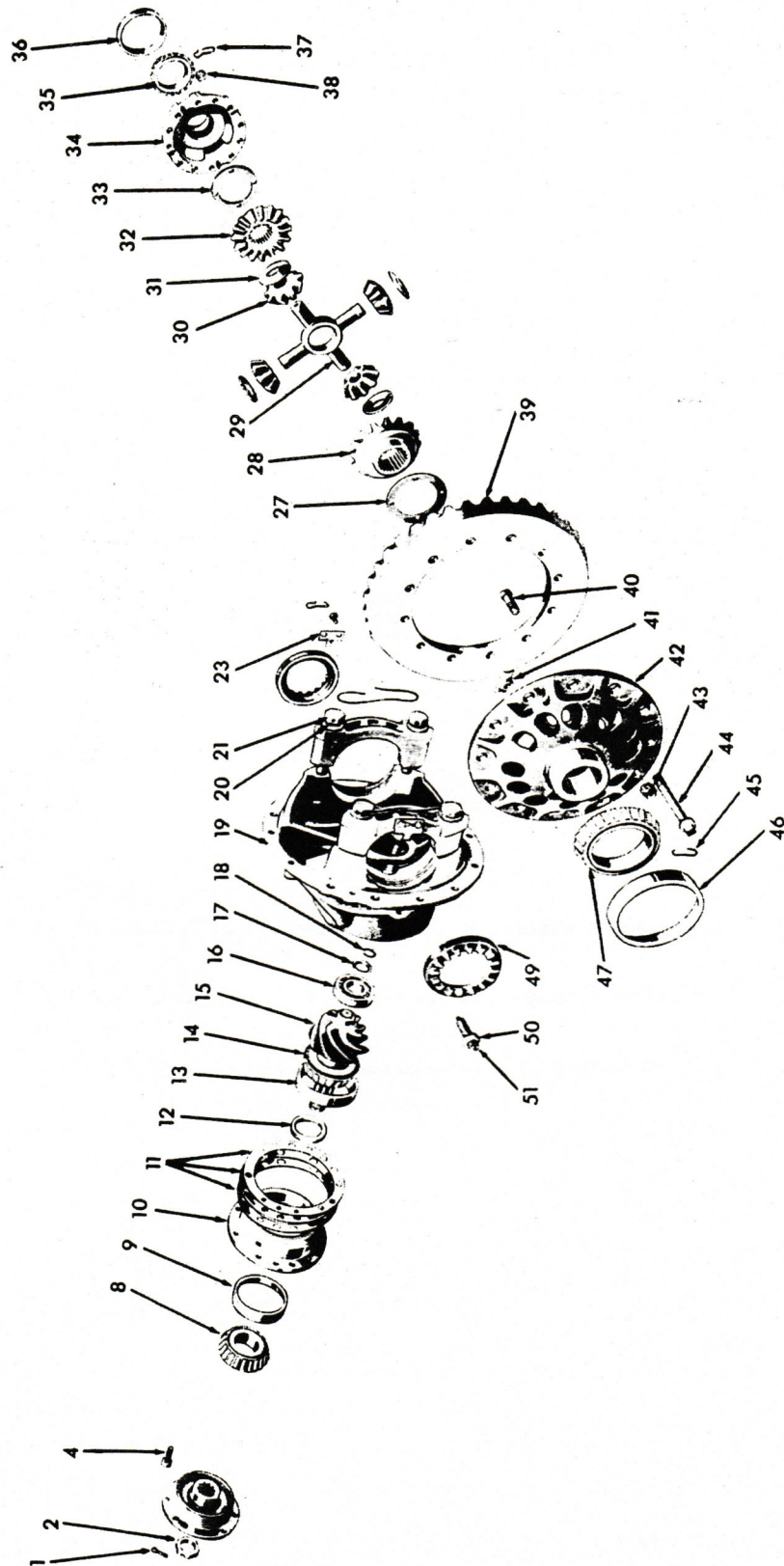


PLATE 2-3 REAR DRIVE



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MODEL MC-5A			

KEY	PART NUMBER	DESCRIPTION	QTY.
		REAR AXLE ASSEMBLY 2.0101	
	2C-1-1	Rear Axle Assembly - C/W Brakes, Hubs & Drums (3.36:1)	
	2C-1-10	Rear Axle Assembly - C/W Brakes, Hubs & Drums (3.70:1)	1
		HOUSING GROUP 2.0201	
	2C-2-1	Housing Assembly - Complete	1
	2C-2-2	Nut & Dowel Assembly - Wheel Bearing Adj.(optional)	2
	2B-2-12	Nut - Wheel Bearing	2
	2-2-976	Breather Assembly - Housing	1
	2B-2-14	Plug - Drain Hole (Magnetic)	1
	2C-2-13	Housing & Sleeve Assembly	1
	2C-2-14	Sleeve Only - Housing	2
	15B-3-13	Nut - Wheel Bearing	2
	2B-2-19	Stud - Housing & Carrier - Short	7
	2B-2-20	Stud - Housing & Carrier - Long	7
	2C-2-7	Bracket - Brake Chamber Support - L.H. (Welded)	1
	2C-2-6	Bracket - Brake Chamber Support - R.H. (Welded)	1
	2C-2-20	U-Bolt - Prop. Shaft Guard	1
Plate 2-3	2B-2-26	Pin - Rad. Rod Anchor	1
		DRIVE GROUP 2.0301	
	2C-3-1	Diff. Carrier Assembly - C/W Rear Drive Adapter	1
19	2B-3-38	Diff. Carrier and Cap Assembly	1
	2B-3-39	Bearing Cap and Dowel Assembly	2
21	2-3-159	Capscrew - Bearing Cap and Dowel Assembly	4
20	2B-3-40	Washer - Diff. Bearing Cap Capscrew	4
	2C-3-5	Cotter Pin - For Service Only - Adj. Ring Lock	2
	2B-3-42	Bevel Pinion, Bearing Cage & Helical Gear Assembly	1
10	2B-3-43	Cage & Cup Assembly - Bevel Drive Pinion Bearing	1
9 &			
13	2B-3-44	Cup - Front and Rear Bearing	2
8 &			
14	2B-3-45	Cone - Front and Rear Bearing	2
12	2B-3-86	Shim - .182 Thick (Use as Required)	
12	2B-3-87	Shim - .183 Thick (Use as Required)	
12	2B-3-88	Shim - .184 Thick (Use as Required)	
12	2B-3-89	Shim - .185 Thick (Use as Required)	
12	2B-3-90	Shim - .186 Thick (Use as Required)	
12	2B-3-91	Shim - .187 Thick (Use as Required)	
12	2B-3-92	Shim - .197 Thick (Use as Required)	
12	2B-3-93	Shim - .198 Thick (Use as Required)	
12	2B-3-94	Shim - .204 Thick (Use as Required)	
12	2B-3-95	Shim - .210 Thick (Use as Required)	
12	2B-3-96	Shim - .216 Thick (Use as Required)	

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MODEL MC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 2-3		<u>DRIVE GROUP (Cont'd)</u> 2.0302	
12	2B-3-97	Shim - .222 Thick (Use as Required)	
12	2B-3-98	Shim - .228 Thick (Use as Required)	
	2B-3-100	Helical Gear	1
2	2B-3-101	Nut - Bevel Drive Pinion Shaft	1
	2B-3-102	Washer - Bevel Drive Pinion Shaft	1
1	2B-3-103	Cotter - Bevel Drive Pinion Shaft	1
11	2B-3-105	Shim - Pinion Bearing Cage - .003 Thin (As Required)	
11	2B-3-106	Shim - Pinion Bearing Cage - .005 Med. (As Required)	
11	2B-3-107	Shim - Pinion Bearing Cage - .010 Thick (As Required)	
4	2B-3-108	Capscrew - Pinion Bearing Cage	8
	2B-3-109	Lockwire - Pinion Bearing Cage	1
15 &	2B-3-112	Drive Gear & Pinion Assembly - 3.36 Ratio	1
39	2C-3-44	Drive Gear & Pinion Assembly - 3.7 Ratio	1
16	2B-3-131	Rear Bearing - Drive Pinion	1
17	2B-3-132	Retainer - Drive Pinion Rear Bearing	1
18	2B-3-133	Lock Ring - Drive Pinion Rear Bearing Retainer	1
	2B-3-101	Nut - Drive Pinion	1
	2B-3-102	Washer - Drive Pinion Shaft Nut	1
	2B-3-103	Cotter - Drive Pinion Shaft Nut	1
	2B-3-100	Helical Gear Pinion Drive	1
		<u>USE AS REQUIRED</u>	
	2B-3-105	Shim - Pinion Bearing Cage - .003 Thin	1
	2B-3-106	Shim - Pinion Bearing Cage - .005 Medium	1
	2B-3-107	Shim - Pinion Bearing Cage - .010 Thick	1
	2B-3-108	Capscrew - Pinion Bearing	8
	2B-3-109	Lock Wire - Pinion Bearing Capscrew	1
	2B-3-129	Diff. Bevel Drive Gear & Pinion Assembly (Specify Ratio)	1
34 &			
42	2B-3-114	Diff. Case Assembly	1
	2B-3-115	Diff. Assembly	1
40	*2B-3-126	Rivet - Diff. Drive Gear	12
NOTE: Pinion Matched & Wired to Above Assembly			
*May be replaced by 2B-3-230 Bolt and 2B-3-125 Nut			



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2 - REAR AXLE

GROUP

2.03

MODEL MC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 2-3		<u>DRIVE GROUP (Cont'd)</u> 2.0303	
30	2B-3-118	Diff. Pinion - L.H. Gear	4
31	2B-3-119	Thrust Washer - Diff Pinion	4
32,28	2B-3-120	Side Gear - Diff.	2
33,27	2B-3-121	Thrust Washer - Diff. Side Gear	2
29	2B-3-122	Diff. Spider	1
43	2B-3-123	Bolt - Diff. Case - Short	4
44	2B-3-124	Bolt - Diff. Case - Long	8
	2A-3-18	Washer - Diff. Case Bolt	12
38	2B-3-125	Nut - Diff. Case Bolt	12
37	2-3-113	Lock Wire - Diff. Case Bolt Nut	4
35,47	2B-3-127	Cone - Diff. Bearing	2
36,46	2B-3-135	Cup - Diff. Bearing	2
	2B-3-136	Lock Wire - Diff. Bearing Cap Stud Nut	2
49	2B-3-137	Adjusting Ring - Diff. Bearing	2
23	2B-3-138	Lock Cotter Pin - Diff. Bearing Adjusting Ring	2
	2B-3-140	Plug - Inspection, Filler and Oil Level	1
41	2B-3-141	Thrust Block - Drive Gear	1
51	2-3-151	Screw - Drive Gear Thrust Block	1
50	2-3-152	Nut - Drive Gear Thrust Block Screw	1
Plate 2-4	2C-3-9	Rear Drive Adapter Assembly	1
7	2B-3-149	Adapter Case & Cup Assembly	1
22	2B-3-150	Cup - Input Shaft Bearing Cup	1
	2B-3-151	Input Cage, Shaft, Drive Gear, Bearing Cone & Flange Assy.	1
	2B-3-152	Input Cage, Cup & Oil Seal Assembly	1
13	2B-3-153	Input Cage & Bearing Cup Assembly	1
10	2B-3-150	Cup - Drive Gear Bearing	1
16	2-3-146	Oil Seal Assembly - Input Cage	1
17	2B-3-155	Companion Flange & Slinger Assembly - Input	1
	2B-3-156	Slinger - Flange	1
-8	2B-3-157	Shaft - Input	1
9	2B-3-158	Bearing Cone - Fwd. - Input	1
-11	2B-3-159	Drive Gear - Input	1
21	2B-3-160	Bearing Cone - Rear (Yoke End)	1
20	2B-3-161	Spacer - Companion Yoke	1
18	2B-3-162	Nut - Companion Yoke	1
19	2B-3-163	Cotter - Companion Yoke Nut	1
		<u>USE AS REQUIRED</u>	
12	2B-3-165	Shim - Input Cage - .003	3
12	2B-3-166	Shim - Input Cage - .005	2
12	2B-3-167	Shim - Input Cage - .010	4

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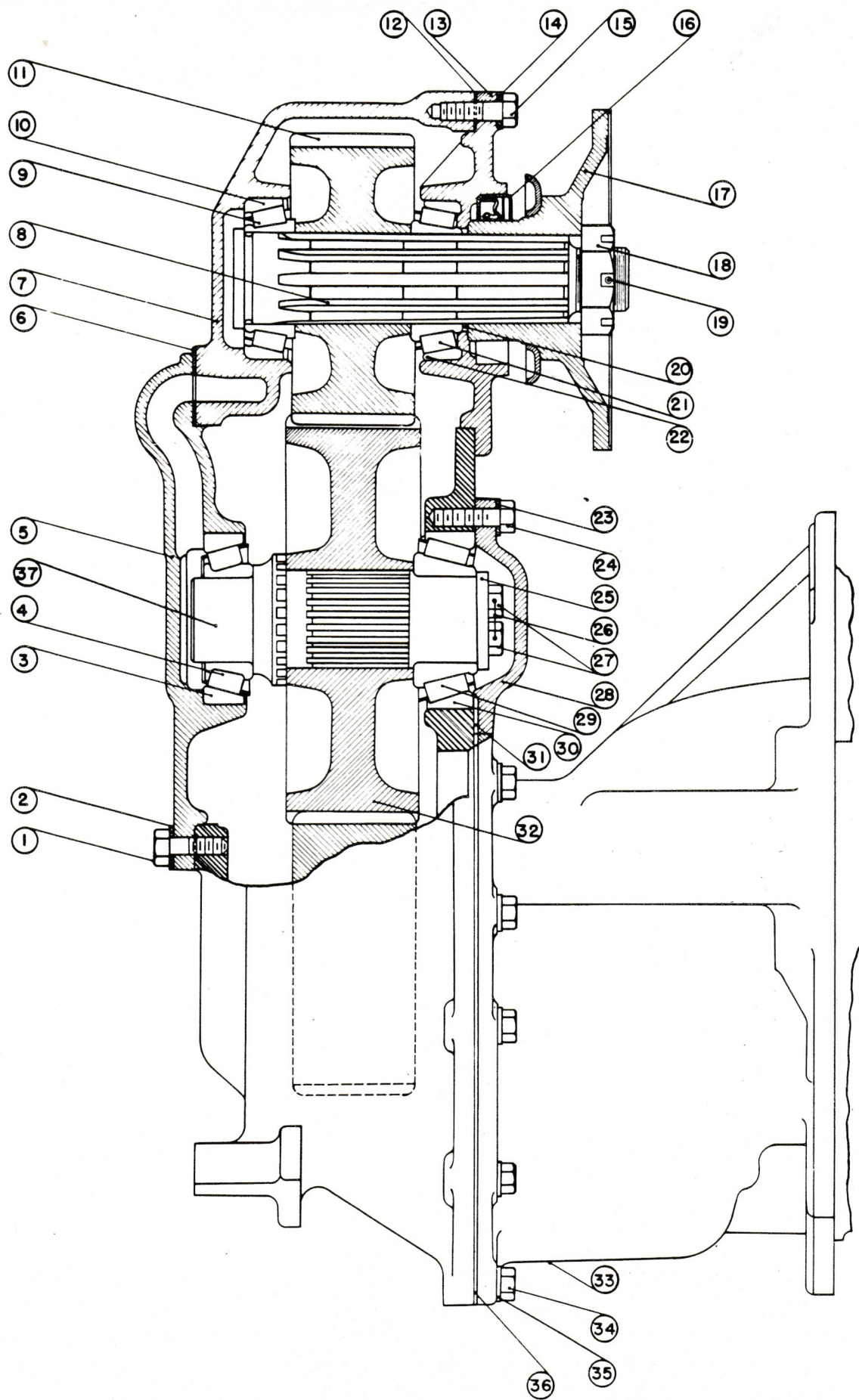


PARTS MANUAL

MODEL MC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 2-4		<u>DRIVE GROUP (Cont'd)</u> 2.0304	
15	2B-3-169	Capscrew - Input Cage	8
14	2B-3-170	Washer - Input Cage Capscrew	8
	2C-3-10	Idler Shaft, Cage. Idler Gear & Cone Assembly	1
5	2C-3-7	Cage & Cup Assembly - Idler Shaft	1
3	2B-3-176	Bearing Cup - Idler Shaft	1
37	2C-3-11	Idler Shaft	1
32	2B-3-182	Idler Gear - Idler Shaft	1
4	2B-3-183	Bearing Cone - Forward - Idler Shaft	1
29	2B-3-184	Bearing Cone - Rear - Idler Shaft	1
25	2B-3-186	Retaining Washer - Idler Shaft Bearing	1
	2B-3-162	Nut - Idler Shaft Bearing Retaining Washer	1
26	2B-3-163	Cotter - Retaining Washer Nut	1
6	2B-3-187	Gasket - Idler Shaft Cage	1
1	2B-3-169	Capscrew - Idler Shaft Cage	8
2	2B-3-170	Washer - Idler Shaft Cage Capscrew	8
30	2B-3-189	Bearing Cup - Rear - Idler Shaft Cage	1
		<u>USED AS REQUIRED</u>	
31	2B-3-192	Shim - Idler Shaft Cover - .003	3
31	2B-3-193	Shim - Idler Shaft Cover - .005	2
31	2B-3-194	Shim - Idler Shaft Cover - .010	4
28	2B-3-190	Cover - Idler Shaft	1
24	2B-3-169	Capscrew - Idler Shaft Cage	5
23	2B-3-170	Washer - Idler Shaft Cage Capscrew	5
	2C-3-6	Pad Plugs - Air Manifold Mounting	2
36	2B-3-198	Gasket - Diff. Carrier & Adapter	1
34	2C-3-43	Nut - Diff. Carrier & Adapter	8
35	2A-3-18	Washer - Diff. Carrier & Adapter	8
38	2C-3-42	Stud - Diff. Carrier & Adapter	8
	2B-2-17	Gasket - Diff. Carrier & Housing	1
	2B-3-8	Stud Nut - Diff. Carrier & Housing	7
	2B-3-9	Nut - Diff. Carrier & Housing Stud	7
	2B-3-10	Washer - Diff. Carrier & Housing Stud	14

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PARTS MANUAL

KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>DRIVE GROUP (Cont'd.)</u> 2.0306	
	2C-3-13	Axle Shaft - L.H. (Grease Type Wheel Seals)	1
	2C-3-14	Axle Shaft - R.H. (Grease Type Wheel Seals)	1
	2C-3-45	Axle Shaft - L.H. (Oil Type Wheel Seal)	1
	3C-3-46	Axle Shaft - R.H. (Oil Type Wheel Seal)	1
	2C-3-15	Gasket - Axle Shaft	4
	2C-3-16	Dowel - Axle Shaft	8
	2C-3-17	Shakeproof Washer - Axle Shaft	8
	2C-3-18	Nut - Axle Shaft Stud	20
	2C-3-19	Lockwasher - Axle Shaft Stud	12
	2C-2-16	Guard Assembly - Driveshaft	1
	2C-2-20	U-Bolt - Driveshaft Guard Mounting	1
	N.P.N.	Nut 3/4 N.F. Hex.	2
	N.P.N.	Lockwasher - 3/4	2

SECTION 3

Body

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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>DASH BOARD</u> 3.0101	
	3C-1-120	Instrument Panel - For Temp., Oil, Air & Speedo Gauges	1
	3C-1-121	Instrument Panel - For Temp., Oil, Air, Speedo & Fuel Gauges	1
	3C-1-122	Instrument Panel - For Temp., Oil, Air, Tach., & Fuel Gauges	1
	3C-1-124	Instrument Panel - For Temp., Oil, Air & Tach. Gauges	1
		<u>NOTE: (For Instruments & Gauges See Group 7.13)</u>	
		<u>NAMEPLATES</u>	
	3A-1-11	Nameplate - Dash Light	1
	3A-1-8	Nameplate - Lavatory Alarm	2
	3A-1-2	Nameplate - Starter Switch	1
	3A-1-5	Nameplate - Stop Switch	1
	3A-1-20	Nameplate - Driver's Heater & Defroster	2
	3B-1-3	Nameplate - Engine Overrule Switch	1
	3B-1-2	Nameplate - Emergency Stop Switch	1
	3A-1-1	Nameplate - Master Control Switch	1
	3B-1-4	Nameplate - Gear Shift	1
	3C-1-53	Nameplate - Parking Brake Instruction	1
		<u>NOTE: (For Other Nameplates See Group 3.15 & 7.08)</u>	
	3C-1-100	Bracket S/A - Tell Tale Light Mtg.	2
	3C-1-115	U-Bracket - Door Control Cover - Outer	1
	3C-1-116	Cover S/A - Door Control	1
	3C-1-98	Cap - Only	1
	3C-1-117	Vinyl - Cover	1
	3C-1-112	Strip S/A - Vinyl Mounting	1
	N.P.N.	Screws - #6 x 1/2 Ph. T.H. Type A Stl. Cadum Plated	7
	3C-1-93	Grab Rail Assembly - On Dash	1
	3C-2-46	Casting - Mtg. Dash Grab Rail - Both Ends	2

Challenger**PARTS MANUAL**

MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
*	<u>NOTE:</u>	* - Optional Equipment	
		<u>DASH BOARD (Cont'd)</u> 3.0102	
	3C-1-63	Dash Door Assy. - Complete R.H.	1
	3C-1-64	Dash Door S/A - R.H. with Louver Panel & Vinyl	1
	3C-1-65	Panel S/A - R.H. Dash Door With Vinyl Covering Only	1
	3C-1-66	Panel Only - R.H. Dash Door	1
	3C-1-67	Panel S/A - Louvered - R.H. Dash Door	1
	3C-1-73	Panel S/A - Lower R.H. Dash Door	1
	3C-1-85	Bracket S/A - Driver's Heater Dash Door Lock	1
	3C-1-41	Catch - Dash Door	2
	3C-1-25	Tapping Plate - Dash Door Lock	2
	3C-1-24	Bar - Pin Stiffener - Door Bottom	1
	3A-1-70	Pin - Door Closing Guide	2
	3C-1-43	Handle - Door Opening	2
	N.P.N.	Screw - #10 - 32 x 3/8 R.H. Slotted Head	2
	3C-15-56	Nameplate - Emergency Equipment	1
	3C-1-26	Striker Plate - Dash Door Lock	2
	3C-1-84	Panel S/A - Under Dash Centre - Complete	1
	3C-1-89	Molding - Long - Front of Dash Panel	1
	3C-1-90	Molding - Short - Front of Dash Panel	1
	3A-1-14	Track - For Long Molding	1
	3A-1-15	Track - For Short Molding	1
	3C-1-91	Tube S/A - Instrument Panel Harness Retainer	1
	3C-1-54	Door Assembly - L.H. - Driver's Heater & Defroster	1
	3-1-13	Dzus Fastener - Slotted Head Type	2
	3-1-30	Grommet - Dzus Fastener	2
	7A-15-60	Cover & Nameplate - Driver's Heater Control	1
		<u>NOTE: (For Driver's Heater Parts See Group 7.15)</u>	
*	3C-1-99	Pocket - on 3C-1-54 Door - Driver's Papers	1
	3C-1-82	Post S/A - R.H. - Under Dash	1
	3C-1-77	Post S/A - L.H. - Under Dash	1
	3C-1-46	Angle - L.H. Post Mounting Under Dash	1
	3B-1-8	Strip - Filler - Between Entrance Door and Dash Door Post	1
	3C-1-111	Grab Rail Assembly - Step Well	1
*	3C-1-104	Wear Plate S/A - Mounted on Dash at Entrance Door	1
*	3C-1-107	Wear Plate S/A - Mounted on Dash for Entrance Door Control Handle	1

PARTS MANUAL

MODEL MC-5A & MCC-5A

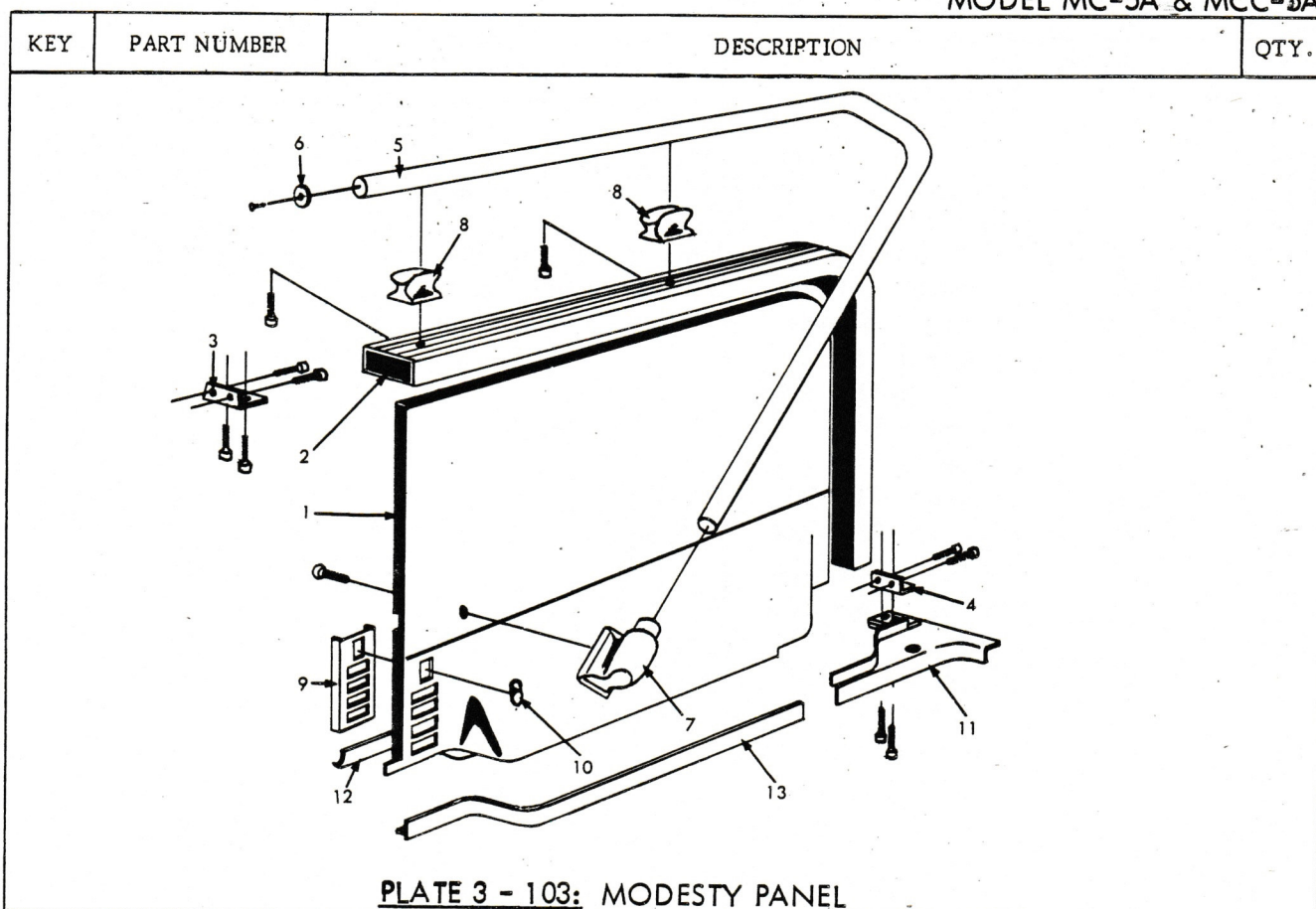


PLATE 3 - 103: MODESTY PANEL

Plate 3-103		* Effective Prior to Coach Unit No. 5501 ** Effective With Coach Unit No. 5501 <u>MODESTY PANEL</u> 3.0201	
	3C-2-69	Modesty Panel Assy. - Complete	1
1	3C-2-70	Panel S/A - C/W Melamine & Angles	1
2	3C-2-56	Rail S/A - Panel Finishing	1
	3C-2-87	Rail S/A - With Spacers Welded	1
	3C-2-67	Molding Strip	2
3	3C-2-65	Angle S/A - Panel Mtg. at Wall	1
4	3C-2-43	Angle S/A - Panel Mtg. at Floor	1
5	3C-2-59	Grab Rail S/A - Complete	1
6	3C-2-63	Washer - Recessed at Wall	1
7	3C-2-47	Support - Rail Mtg. at Bottom	1
8	3C-2-48	Support - Rail Mtg. at Top	2
9	3B-2-16	Slide S/A - Heat Vent	1
10	3A-7-1	Knob - Vent Slide	1
	N.P.N.	Screw - # 10 X 3/4 Type A	5
	N.P.N.	Pop Rivet - Tap D-BS-2S-429	15
11*	3C-2-88	Base Plate S/A - Panel Mtg. at Floor	1
11**	3C-2-98	Base Plate S/A - Panel Mtg. at Floor	1
12*	3C-2-96	Cove Molding - 32" lg., Finishing Inside Modesty Panel	1
12**	3C-2-97	Cove Molding - 36" lg., Finishing Inside Modesty Panel	1

Challenger**PARTS MANUAL**

MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 3-103		<u>MODESTY PANEL (Cont'd)</u> 3.0202	
13	3C-4-21	Trim Molding S/A - Finishing Top of Step Well to Modesty Panel	1
	3A-2-35	Spacer - Between Wall and Modesty Panel - Upper	1
	3A-2-36	Spacer - Between Wall and Modesty Panel - Lower	1
	N.P.N.	Bolt - 5/16 x 3"	2
	N.P.N.	Bolt - 5/16 x 2 1/2"	2
	N.P.N.	Screw - 5/16 x 1 3/8 Stn. Stl. Mach.	1
	N.P.N.	Screw - 5/16 x 3/4" Mach.	6
	N.P.N.	Screw - #8 - 32 x 1/2" Mach.	1
	N.P.N.	Screw - #10 - 24 x 1" Type 1	10
	N.P.N.	Screw - #10 - 24 x 3/4" Type 1	4
	N.P.N.	Screw - #6 - 32 x 3/4" Type 1	8
	N.P.N.	Nut - 5/16 - 18 Hex. Hd.	1
	N.P.N.	Lockwasher - 5/16	5
	N.P.N.	Star Washer - 5/16	6
	N.P.N.	Rivet - 3/16 x 1/2 B.H.	4

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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
<u>PLATE 3 - 101: DRIVER'S GUARD RAIL</u>			

Plate 3-101	<u>DRIVER'S GUARD RAIL</u>		3.0301
	3C-3-14	Driver's Guard Rail Assy. - Complete	1
1	3C-3-17	Panel S/A - Closing, Complete	1
2	3C-3-12	Cover S/A - DD3 Actuator Closing	1
3	3C-2-47	Casting - Mtg. Rail to Closing Panel	1
4	3C-3-11	Casting - Mtg. Rail at Window Post	1
5	3C-2-49	Casting - Mtg. Rail Center to Panel	1
6	3C-3-15	Tube S/A - Guard Rail	1
	N.P.N.	Screw - 5/16 - 24 x 1 1/2 type 1 Mach. Ph. O.H.	2
	N.P.N.	Screw - #8 - 32 x 1/2 type 1 Ph. O.H.	2
	N.P.N.	Screw - #8 - 32 x 1/2 type 1 Ph. T.H.	4
	N.P.N.	Cap Screw - 3/8 - 24 X 1 1/2 Hex. Hd.	1
	N.P.N.	Cap Screw - 5/16 - 24 x 1 3/4 Hex. Hd.	1
	N.P.N.	Cap Screw - 5/16 - 18 x 1 3/4 Hex. Hd.	2
	N.P.N.	Lockwasher - 5/16	3
	N.P.N.	Lockwasher - 3/8	1
	N.P.N.	Washer - 5/16	3
	N.P.N.	Washer - 3/8	1
	N.P.N.	Nut - 5/16 - 18	1

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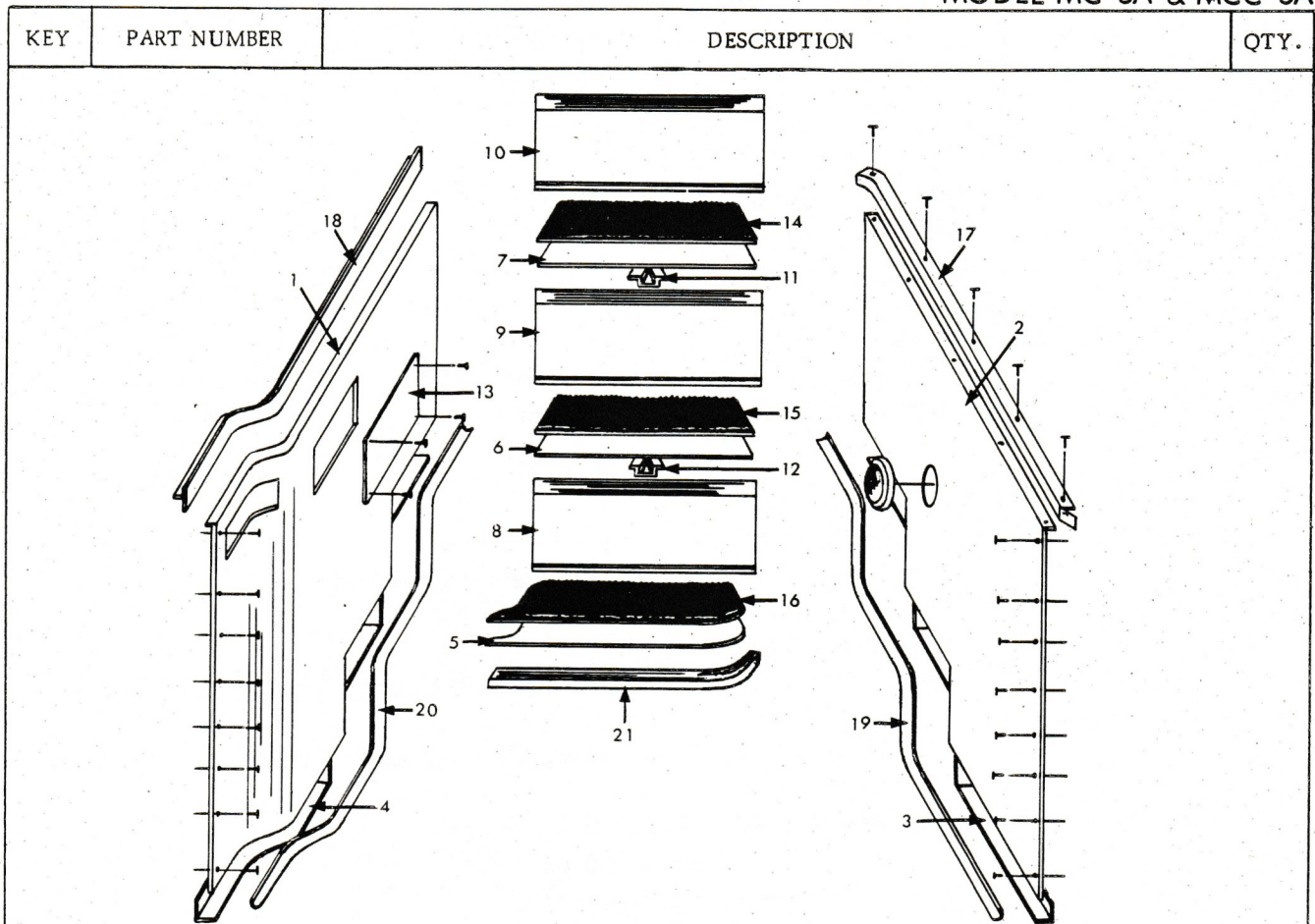


PLATE 3 - 104: STEPWELL

		* Aluminum Step Well Effective Prior to Coach Unit No. 5401	
		** Stn. Stl. Step Well Effective With Coach Unit No. 5401	
Plate		<u>STEP WELL</u>	3.0401
3-104	3C-4-28	Step Well Assy. - Complete	1
1*	3C-4-29	Panel S/A - Rear Side Wall - c/w Air Lock Mounting Frame	1
1**	3C-4-44	Panel S/A - Rear Side Wall - c/w Air Lock Mounting Frame	1
2*	3C-4-29	Panel - Step Well Front Wall	1
2**	3C-4-47	Panel - Step Well Front Wall	1
3	3C-4-3	Angle S/A - Mtg. Step Panels to Front Side Wall	1
4	3C-4-6	Angle S/A - Mtg. Step Panels to Rear Side Wall	1
5	3C-4-12	Panel - Lower Step Tread Reinforcing	1
6	3C-4-13	Panel - Center Step Tread Reinforcing	1
7	3C-4-14	Panel - Upper Step Tread Reinforcing	1
8	3C-4-15	Kick Panel - Lower	1
9	3C-4-16	Kick Panel - Center	1
10	3C-4-17	Kick Panel - Upper	1
11	3A-4-33	Hat Channel - Reinforcing Upper Step Plate	1
12	3A-4-34	Hat Channel - Reinforcing Center Step Plate	1
13**	3C-4-51	Plate - Door Lock Inspection Hole Cover	1

Challenger**PARTS MANUAL**

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 3-104		<u>STEPWELL (Cont'd)</u> 3.0402	
14	3C-4-25	Step Tread - Upper (Specify Color)	1
15	3C-4-26	Step Tread - Center (Specify Color)	1
16	3C-4-27	Step Tread - Lower (Specify Color)	1
17	3C-4-18	Trim Angle S/A - Finishing top of Front Side Panel	1
18	3C-4-21	Trim Molding S/A - Finishing top of Rear Side Panel	1
19	3C-4-52	Cove Molding S/A - Step Well Front	1
20	3C-4-59	Cove Molding S/A - Step Well Rear	1
		<u>SUN VISORS</u> 3.0501	
	3C-5-1	Sun Visor Assembly - L.H. - C/W Brackets	1
	3C-5-3	Visor Assy. - Padded Less Brackets - C/W Rod	1
	3A-5-28	Mounting Bracket - L.H.	1
	3A-5-27	Mounting Bracket - R.H.	1
	3A-5-43	Screw - 1/4 - 28 X 3/4 O.H.M. - Mounting Bracket - L.H.	2
	3A-5-44	Washer - 1/4 Csk. Cupped - Screw	2
	N.P.N.	Screw - #10 Phillips Oval Head Self-tapping - Type A	4
	3C-5-2	Sun Visor Assembly - R.H. - C/W Brackets	1
	3C-5-3	Visor Assy. - Padded Less Brackets - C/W Rod	1
	3A-5-30	Mounting Bracket - L.H.	1
	3A-5-31	Mounting Bracket - R.H.	1
	3A-5-43	Screw - 1/4 - 28 X 3/4 O.H.M. - Mounting Bracket - R.H.	1
	3A-5-35	Pin - Lock Adjustment L.H. Bracket	1
	3A-5-37	Bushing - Lock Adjustment - L.H. Bracket	1
	3A-5-36	Spring - Lock Adjustment Pin - L.H. Bracket	1
	3A-5-34	Knob - Lock Adjustment Pin - L.H. Bracket	1
	N.P.N.	Screw - #10 Phillips Oval Head Self-tapping - Type A	4

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KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 3-75		<u>REAR VIEW MIRROR - INTERIOR</u> 3.0601	
	3B-6-1	Rear View Mirror Assembly - Interior	1
1	3B-6-2	Mirror Glass	1
2	3B-6-3	Mirror Pads - 1 3/8 x 4 3/4 x .020	2
3	3B-6-4	Hanger S/A - Includes Following 8 Items:	1
4	3B-6-5	Mounting Bracket - To Body	1
5	3B-6-6	Hooked Back Plate - Small	2
6	3B-6-7	Straight Back Plate - Angle Form	2
7	3B-6-8	Mirror Clips - 3 3/4" Long	2
8	3B-6-9	Ball Post	1
9	3B-6-10	Hex Nut - For Screws (As Req'd)	7
10	3B-6-11	Screws - 11/16" Long R.H. Machine (As Req'd)	
11	3B-6-12	Screws - 7/8" Long R.H. Machine (As Req'd)	

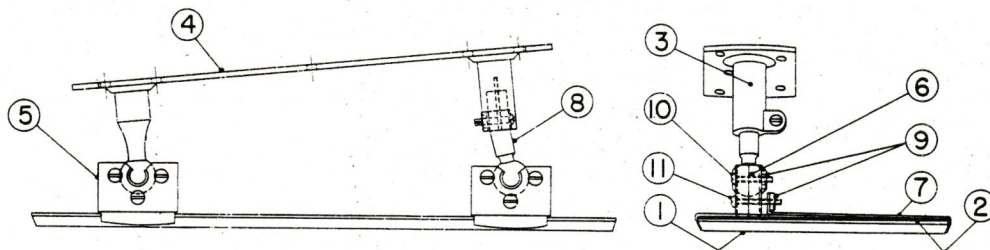


PLATE 3-75

REAR VIEW MIRROR - INTERIOR

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KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>AIR VENTILATION</u> <u>DRIVER'S AIR INTAKE</u>	3.0701
	3B-7-20	Air Intake Assembly - Above Driver's Windshield	1
	3C-33-1	Grill - Exterior - Above Windshield	1
	3B-7-21	Flange & Tube S/A - Fresh Air Inner	1
	3B-7-29	Flange & Tube S/A - Fresh Air Outer	1
	3B-7-32	Hose - 2" I.D. - Attach. Inner & Outer Tube & Flange S/A	1
	3B-7-31	Butterfly Valve - Driver's Air Vent	1
		<u>AIR EXHAUST - FRONT ROOF</u>	
	3A-7-502	Air Exhaust Mechanism Assy. - Between Front Roof & Ceiling	1
	3A-7-503	Base S/A - Welded Section	1
	3A-7-505	Angle - Mounting Side of Tapped Block	1
	3A-7-509	Lever S/A - Pivot Centre	1
	3A-7-512	Strap - Long - Linkage to Louvre Shutters	1
	3A-7-513	Block - Neutral Position	1
	3A-7-514	Block - Tapped - Screw Adjusting	1
	3A-7-515	Pin - Pivot - Linking Lever to Linkage Strap	1
	3A-7-516	Screw - Lever Control	1
		<u>AIR DUCTS - FRONT ROOF</u>	
	3C-35-102	Panel & Duct Assy. - Louvred for Air Exhaust.	1
		<u>NOTE: (For Panel Only See Group 3.35)</u>	
	3A-7-380	Duct S/A - R.H. Side	1
	3A-7-372	Duct S/A - L.H. Side	1
	3A-7-404	Bracket S/A - C/W Nylon Bushing L.H. & R.H. Inner & Outer	4
	6N8D	Bushing - Nylon	4
	3A-7-406	Plate - Damper Bracket Spacer	4
	3A-7-407	Plate - Tapped - Mounting Door Bracket	4
	3A-7-386	Damper - L.H. - C/W Shaft - Roof Exhaust	1
	3A-7-394	Damper - R.H. - C/W Shaft - Roof Exhaust	1
	3A-7-377	Lever & Pin S/A - Exhaust Mechanism Mounting	1
	3A-7-379	Pin Only	1
	N.P.N.	Set Screw - #10 - 24 x 1/4 Socket Head Cup Pt.	1



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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
		* Effective Prior to Coach Unit No. 5401 ** Effective With Coach Unit No. 5401	
		<u>LUGGAGE RACK ASSEMBLY - L.H.</u>	
	3C-8-103	Luggage Rack Assy., L.H. Complete	1
	3C-8-104	Panel S/A - Bottom, C/W Vinyl	1
	3C-8-14	Bracket - Plywood Mtg., 23" Long	5
*	3C-8-13	Bracket - Plywood Mtg., 18 1/8" Long	5
**	3C-8-153	Bracket - Plywood Mtg., 18 1/8" Long	5
	3C-8-77	Angle - Rear End, Bottom, 19 3/8"	1
	3C-8-109	Panel S/A - Front Wooden, C/W Vinyl	1
	3C-8-42	Cap - Finishing, Front End Plywood	1
	3C-8-142	Molding S/A - Front Plywood Cap	1
	N. P. N.	Screw - #6 x 3/4 Ph. O. Hd. Type A	7
	3C-33-24	Nameplate - "Challenger"	1
	N. P. N.	Screw - 3/16 x 3/8	3
	3C-8-143	Panel S/A - Front Curved Metal	1
	3C-8-111	Panel S/A - Rear Metal, With Vinyl	1
	3C-8-84	Angle - Front Luggage Rack Mtg.	1
	3C-8-83	Angle - Rear Luggage Rack Mtg.	1
	3C-8-112	Panel S/A - Rear Wooden, C/W Vinyl	1
	3C-8-63	Plate & Nut S/A - Front Wooden End Panel Mtg.	1
	3C-8-78	Plate - Joining Front Panel to Outer Extrusion	1
	3C-8-100	Extrusion - Outer Luggage Rack Light	1
	3C-8-108	Extrusion S/A - Reading Lights	1
	3C-8-89	Extrusion - Upper	1
	3C-8-46	Extrusion - Lower	1
	3C-8-4	Angle - Front & Rear Reading Light Extrusions	2
	3C-8-105	Cap - Finishing Lug. Rack Light Extrusion Front	2
	3C-8-107	Cap - Finishing Lug. Rack Light Extrusion Rear	1
*	3C-8-114	Molding - Clipped to Frt. & Centre Outer Light Extrusion	2
*	3C-8-115	Molding - Clipped to Rear Outer Light Extrusion	1
**	3C-8-150	Molding - Clipped to Outer Light Extrusion	2
	3C-8-113	Molding - Clipped to Upper Light Extrusion	8
	3C-8-5	Casting - Lug. Rack Light	5
	3B-8-4	Box - Lug. Rack Light Cover	5
	3C-8-57	Glass Lens - Lug. Rack Light	5
	3C-8-55	Plate & Nut S/A - Light Casting Mtg.	5
	3A-8-26	Plate & Nut S/A - Reinf. Brkt. Mtg.	5
	7C-12-61	Harness - Indirect Lights	1
	7C-12-60	Harness - Reading Lights	1
	7C-12-319	Harness - Reading Lights (Spec. Option)	1
	3C-8-43	Conduit Tube - Indirect Light Harness	1

PARTS MANUAL

MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
		+ Effective Prior to Coach Unit No. 6365 ++ Effective With Coach Unit No. 6365	
		* Effective Prior to Coach Unit No. 5401 ** Effective With Coach Unit No. 5401	
		<u>LUGGAGE RACK ASSEMBLY - L.H. (Cont'd)</u>	
+	3A-8-6	Post - Luggage Rack Cord	5
+	PB-45-10	Eyelet - Luggage Cord Front	1
++	3C-8-166	Post - Luggage Rack Cord	5
++	3C-8-162	Eyelet - Luggage Cord Front	1
	3C-8-2	Eyelet - Buzzer Cord	11
	7A-8-87	Switch - Buzzer	1
	3C-8-133	Cord - Buzzer	1
+	3C-8-175	Cord - Luggage Rack, 3/16" Dia.	1
++	3C-8-168	Cord - Luggage Rack, 1/4" Dia.	1
+	3A-8-50	Eyelet S/A - Luggage Cord Rear	1
+	3C-8-135	Stud Only	1
+	3C-8-136	Eyelet Only	1
+	3C-8-160	Clamp - Securing Luggage Cord Rear	1
+	N. P. N.	Clip - Securing Luggage Cord Front	1
++	3C-8-172	Eyelet S/A - Luggage Cord Rear	1
++	3C-8-164	Eye Only	1
++	3C-8-171	Stud Only	1
++	3C-8-170	Parallel Connector	2
++	3C-8-169	Bushing - Retaining Parallel Connector	2
++	N. P. N.	Set Screw - Bushing Retaining, 1/2 - 20 x 1/4	2
	3C-8-132	Clamp - Fastening Buzzer Cord Front	1
	3C-8-160	Clamp - Fastening Buzzer Cord Rear	1
	3C-8-1	Post - Luggage Rack Mtg.	5
	3A-8-68	U-Channel - Mtg. Post, Upper End	5
	3A-8-23	Tube Spacer - Upper Post	5
		<u>LUGGAGE RACK ASSEMBLY - R.H.</u>	
	3C-8-127	Luggage Rack Assy., R.H. Complete	
	3C-8-116	Luggage Rack Assy., R.H. Complete	
	3C-8-128	Panel S/A - Bottom, C/W Vinyl	1
	3C-8-117	Panel S/A - Bottom, C/W Vinyl	1
	3C-8-14	Bracket - Plywood Mtg., 20" Long	4
*	3C-8-13	Bracket - Plywood Mtg., 18 1/8" Long	4
**	3C-8-153	Bracket - Plywood Mtg., 18 1/8" Long	4
	3C-8-62	Angle - Rear End Bottom, 19 3/8" Long	1

With Lav.	W/O Lav.
	1
1	1
1	
4	5
4	5
4	5
1	1



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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.	
		* Effective Prior to Coach Unit No. 5401		
		** Effective With Coach Unit No. 5401		
		<u>LUGGAGE RACK ASSEMBLY - R.H. (Cont'd)</u>	With	W/O
			Lav.	Lav.
	3C-8-121	Panel S/A - Front of Lug. Rack	1	1
	3C-8-42	Cap - Finishing, Front End Plywood	1	1
	3C-8-140	Molding S/A - Front Plywood Cap	1	1
	N. P. N.	Screw - #6 x 3/4 Ph. O. Hd. Type A	7	7
	3C-33-25	Nameplate - "Challenger"	1	1
	N. P. N.	Screw - #10 - 32 x 3/8 Ph. T. Hd.	3	3
	3C-8-145	Panel S/A - Front Curved Metal	1	1
	3C-8-123	Panel S/A - Rear Metal With Vinyl	1	
	3C-8-130	Panel S/A - Rear Metal With Vinyl		1
	3C-8-84	Angle - Front Luggage Rack Mtg.	1	1
	3C-8-84	Angle - Rear Luggage Rack Mtg.	1	
	3C-8-83	Angle - Rear Luggage Rack Mtg.		1
	3C-8-131	Panel S/A - Rear Wooden, C/W Vinyl		1
	3C-8-124	Panel S/A - Rear Wooden, C/W Vinyl	1	
	3C-8-63	Plate & Nut S/A - Front Wooden End Panel Mounting	1	1
	3C-8-54	Plate - Joining Front Panel to Outer Extrusion	1	1
	3C-8-102	Extrusion - Outer Parcel Rack Light		1
	3C-8-101	Extrusion - Outer Parcel Rack Light	1	
	3C-8-129	Extrusion S/A - Reading Lights		1
	3C-8-89	Extrusion - Upper		1
	3C-8-50	Extrusion - Lower		1
	3C-8-120	Extrusion S/A - Reading Lights	1	
	3C-8-90	Extrusion - Upper	1	
	3C-8-53	Extrusion - Lower	1	
	3C-8-4	Angle - Front & Rear Reading Light Extrusion	2	2
	3C-8-105	Cap - Finishing Lug. Rack Light Extrusion Front	2	2
	3C-8-107	Cap - Finishing Lug. Rack Light Extrusion Rear		1
	3C-8-119	Cap - Finishing Lug. Rack Light Extrusion Rear	1	
	3C-8-113	Molding - Clipped - Front Upper Reading Light Extrusion	4	8
*	3C-8-114	Molding - Clipped - Front Outer Rack Light Extrusion	1	2
*	3C-8-115	Molding - Clipped - Rear Outer Rack Light Extrusion		1
**	3C-8-150	Molding - Clipped to Outer Luggage Rack R.H.		2
**	3C-8-151	Molding - Clipped to Outer Luggage Rack R.H.	1	
	3C-8-125	Molding - Clipped - Rear Upper - Reading Light Extr.	4	
	3C-8-126	Molding - Clipped - Rear Outer Rack Light Extrusion	1	
	3C-8-5	Casting - Lug. Rack Light	5	4
	3B-8-4	Box - Lug. Rack Light Cover	5	4
	3C-8-57	Glass Lens - Lug. Rack Light	5	4

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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.	
		+ Effective Prior to Coach Unit No. 6365 ++ Effective With Coach Unit No. 6365		
		<u>LUGGAGE RACK ASSEMBLY - R.H. (Cont'd)</u>	With Lav.	W/O Lav.
	3C-8-55	Plate & Nut S/A - Light Casting Mtg.	5	4
	3A-8-26	Plate & Nut S/A - Reinf. Brkt. Mtg.	5	4
	7C-12-61	Harness - Indirect Lights	1	1
	7C-12-59	Harness - Reading Lights	1	1
	7C-12-320	Harness - Reading Lights (Spec. Option)	1	
	3C-8-43	Conduit Tube - Indirect Light Harness	1	1
+	3A-8-6	Post - Luggage Rack Cord	5	5
+	PB-45-10	Eyelet - Luggage Cord Front	1	1
++	3C-8-166	Post - Luggage Rack Cord	5	5
++	3C-8-162	Eyelet - Luggage Cord Front	1	1
	3C-8-2	Eyelet - Buzzer Cord	11	11
	7A-8-87	Switch - Buzzer	1	1
	3C-8-133	Cord - Buzzer		1
	3C-8-134	Cord - Buzzer	1	
+	3C-8-175	Cord - Luggage Rack, 3/16" Dia.		1
+	3C-8-174	Cord - Luggage Rack, 3/16" Dia.	1	
++	3C-8-168	Cord - Luggage Rack, 1/4" Dia.		1
++	3C-8-167	Cord - Luggage Rack, 1/4" Dia.	1	
+	3A-8-50	Eyelet S/A - Luggage Cord Rear	1	1
+	3C-8-135	Stud Only	1	1
+	3C-8-136	Eyelet Only	1	1
+	3C-8-160	Clamp - Securing Luggage Cord, Rear	1	1
+	N. P. N.	Clip - Securing Luggage Cord, Front	1	1
++	3C-8-173	Eyelet S/A - Luggage Cord, Rear	1	1
++	3C-8-165	Eye Only	1	1
++	3C-8-171	Stud Only	1	1
++	3C-8-170	Parallel Connector	2	2
++	3C-8-169	Bushing - Retaining Parallel Connector	2	2
++	N. P. N.	Set Screw - Bushing Retaining, 1/2 - 20 x 1/4	2	2
	3C-8-132	Clamp - Fastening Buzzer Cord Front	1	1
	3C-8-160	Clamp - Fastening Buzzer Cord Rear	1	1
	3C-8-1	Post - Rack Mounting	5	5
	3A-8-68	U-Channel - Mtg. Post Upper End	5	5
	3A-8-23	Tube Spacer - Upper Post	5	5



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MODEL MC-5A & MCC-5A			

KEY	PART NUMBER	DESCRIPTION	QTY.
* Effective Prior to Coach Unit No. 5520 ** Effective With Coach Unit No. 5520 + Effective Prior to Coach Unit No. 6869 ++ Effective With Coach Unit No. 6869			
Plate 3-51		<u>ENTRANCE DOOR CONTROL</u>	
	3B-10-65	Lever S/A, Complete	1
1	3A-10-3	Lever - Door Control Handle	1
2	3B-10-39	Shaft S/A - Handle Mtg.	1
	3C-10-34	Cap Screw - 1/4 - 20 x 1/2 Hex. Hd.	4
	3A-10-2	Handle S/A - Door Control	1
3	3A-10-45	Handle Only	1
4	3A-10-5	Bushing Only	1
5	3A-10-4	Pin Only	1
	N.P.N.	Screw - #4 - 40 x 3/8 Slotted Mach. B.H.	3
6*	3B-10-44	Spacer - 1 1/4" I.D.	1
6**	3C-10-29	Spacer - 1 1/2" I.D.	1
	N.P.N.	Flat Washer - 1/2"	1
	N.P.N.	Stop Nut - Esna 21 NTE 080	1
	N.P.N.	Woodruff Key - #8	1
7*	3B-10-21	Bracket S/A - Handle Mtg.	1
7**	3C-10-24	Bracket S/A - Handle Mtg.	1
8	3A-10-7	Bushing Only	2
9	3B-10-20	Tapping Plate	2
10	3B-10-45	Lever - Lower Control Handle	1
11	3B-10-42	Collar - Shoulder Bolt to Lever	1
12	3B-10-41	Shoulder Bolt - Lever to Control Rod	1
13	3A-11-461	Spring - Lever to Bracket	1
	3B-10-10	Rod S/A - Door Control, Complete	1
14	3B-10-11	Tube & Studs S/A - Control Handle End	1
15	3A-10-53	Nut - L.H. Thread, 7/8 - 14	1
16	N.P.N.	Nut - 3/4 - 16 N.F.	1
17	3A-10-36	Turnbuckle - Rod Adjusting	1
18	3A-10-51	Jam Nut - 7/8 - 14	1
19+	3B-10-4	Rod S/A - Door Hinge End, C/W Bushing	1
20+	3A-10-7	Bushing Only	1
19++	3F-10-1	Rod S/A - Door Hinge End, C/W Bearing	1
20++	3F-10-32	Bearing Only	1
+	3F-10-7	Spring - Shoulder Bolt Upper & Lower	2
21	3B-10-12	Bearing End - Self-Aligning	1
22	3A-10-25	Shoulder Bolt S/A - Hinge Pivot	1
	3A-10-41	Fibre Washer - 1/2"	1
	3A-10-40	Nut - 1/2 - 20	1
23	3A-10-24	Shoulder Bolt - Control Rod to Hinge	1
	3A-10-41	Fibre Washer - 1/2"	1
	3A-10-55	Nut	1
24	3C-10-41	Hinge S/A - Entrance Door, Upper	1
	N.P.N.	Screw - 1/4 x 5/8 N.F. Ph. O. Hd.	6

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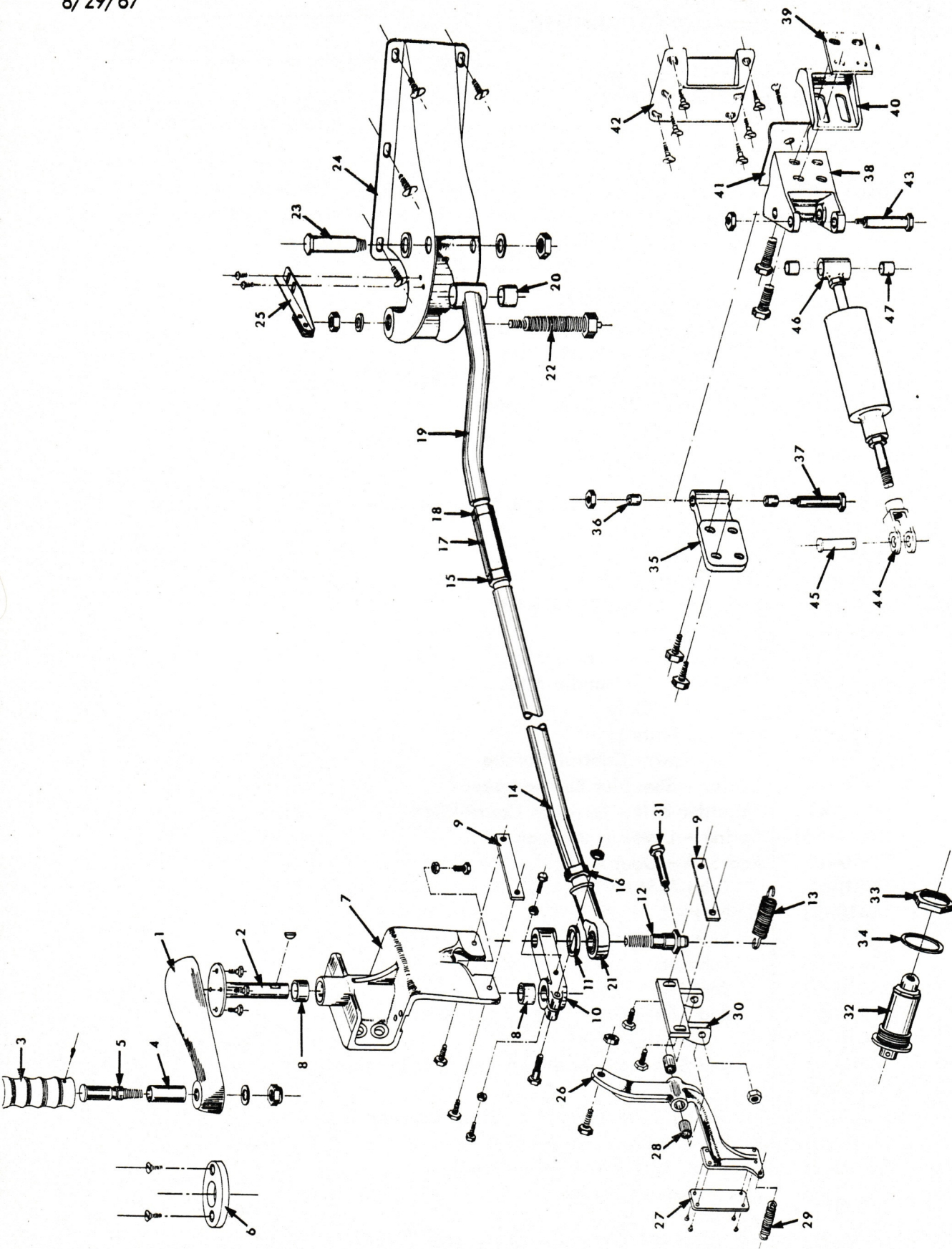


PLATE 3-51: ENTRANCE DOOR CONTROL



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MODEL MC-5A & MCC-5A			

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 3-51		* Effective Prior to Coach Unit No. 5520 ** Effective With Coach Unit No. 5520 <u>ENTRANCE DOOR CONTROL (Cont'd)</u>	
25	3C-10-12	Plate & Fibre S/A - Steplight Switch Actuator	1
	3C-10-13	Plate Only	1
	3C-10-16	Fibre Only	1
	N. P. N.	Screw - #4 - 40 x 1/2	2
*	7B-8-74	Bracket S/A - Switch Mtg.	1
**	3C-10-30	Bracket S/A - Switch Mtg.	1
26*	3B-10-17	Release Arm S/A	1
26**	3C-10-20	Release Arm S/A	1
27**	3C-10-22	Wear Plate Only	1
28	3A-10-186	Nylon Bushing - 6N8D	2
29	3B-10-32	Spring - Release Arm Return	1
30*	3B-10-14	Bracket - Release Arm Mtg.	1
30**	3C-10-23	Bracket - Release Arm Mtg.	1
31	3B-10-43	Shoulder Bolt - Release Arm Pivot	1
	N. P. N.	Screw - 1/4 - 20 x 3/4 Ph. O. Hd. Csk.	4
	N. P. N.	Screw - 1/4 - 20 x 1 1/4 Ph. O. Hd. Csk.	2
		+ Effective Prior To Coach Unit No. 5539 ++ Effective With Coach Unit No. 5539 <u>PAD LOCK MECHANISM</u>	
32+	3B-10-110	Pad Lock Assy. - Ent. Door Release	1
32++	3F-10-53	Pad Lock Assy. - Ent. Door Release	1
	3B-10-111	Sleeve - Outer Shell	1
+	3B-10-103	Cap - Sleeve Retainer	1
33	3B-10-104	Nut - 2" Hex., Brass	1
34	3B-10-105	Flat Washer	1
	3B-10-107	Spring - Piston Return	1
+	3B-10-112	Shaft	1
++	3F-10-54	Shaft	1
	3B-10-113	Collar - Shaft	1
	3B-10-114	Pin - Collar Retaining	1
+	3B-10-115	Nut - Spring Retaining	1
++	3C-10-18	Nut - Spring Retaining	1
+	3B-10-116	Pin - Nut Retaining	1
+	3B-10-117	Roller - 1/2" Dia. Nylon	1
+	3B-10-118	Pin - Roller	1
	3B-10-119	"O" Ring	1

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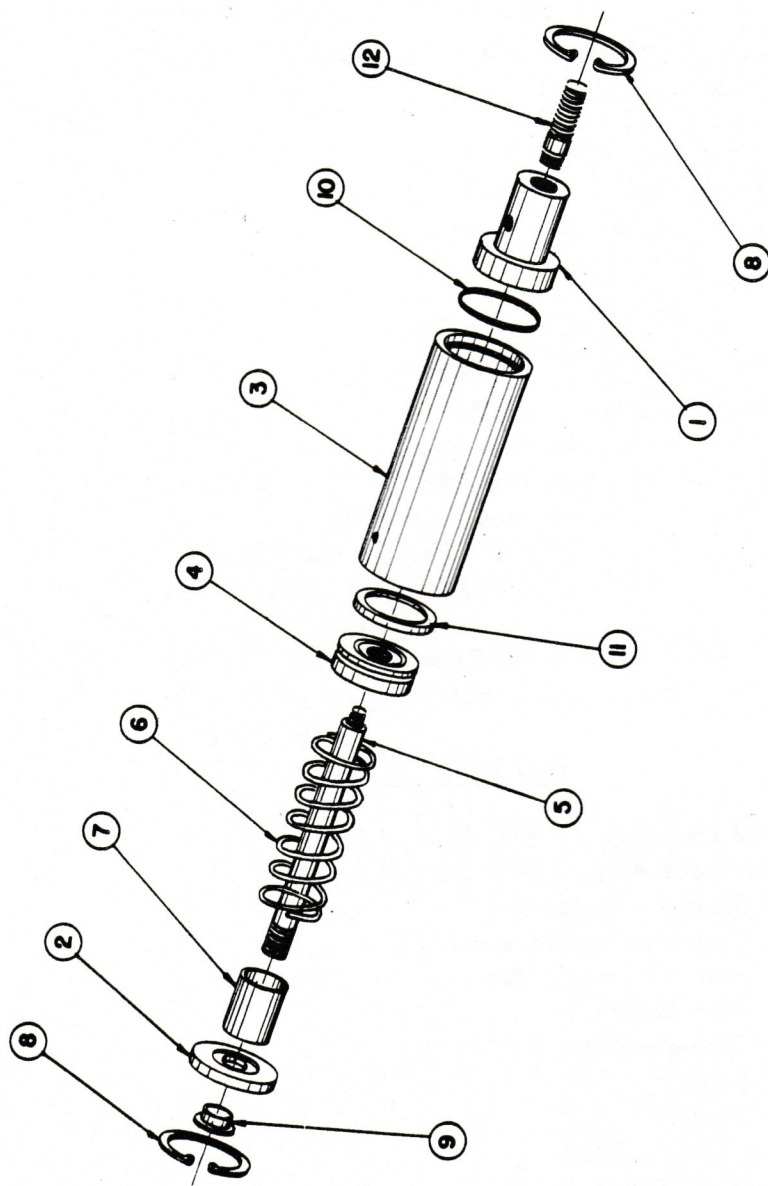


PLATE 3 - 52 - DOOR CONTROL AIR CYLINDER



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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 3-51		<u>AIR CYLINDER & LOCK MECHANISM</u>	
35	3B-10-82	Latch Pivot Bearing - Retaining Latch Body	1
36	N. P. N.	Nylon Bushing - Latch 8N8D	2
	N. P. N.	Bolt - 5/16 - 24 x 1" Long - Latch Retaining	4
	N. P. N.	Flat Washer - 5/16	4
37	3B-10-78	Shoulder Bolt - Latch Pivot to Latch Body	1
	N. P. N.	Nut - Hex. 3/8 - 24 - For Shoulder Bolt	1
	3B-10-70	Latch Assembly - To Entrance Door - Below Modesty Panel	1
38	3B-10-71	Body - Latch Nose Mounting	1
39	3B-10-72	Tapping Plate - Latch Nose to Body	1
40	3B-10-73	Latch Nose - Mounting Body	1
	N. P. N.	Bolt - 5/16 - 24 x 1 N.F. Latch Nose to Body	4
	N. P. N.	Lockwasher - 5/16	4
41	3B-10-75	Cover - Latch Body	1
	N. P. N.	Screw - #10 - 32 x 1/2 O.H. Retaining Cover	2
42	3C-10-33	Latch Pad - On Entrance Door	1
	N. P. N.	Screw - 1/4 - 20 x 3/4 Ph. O. Hd. Csk.	4
	N. P. N.	Screw - 1/4 - 20 x 1 1/4 Ph. O. Hd. Csk..	2
43	3B-10-78	Shoulder Bolt - Latch Body to Air Cylinder	1
	N. P. N.	Nut - Hex. - 3/8 - 24 - For Shoulder Bolt	1
	13B-7-28	Yoke Assembly - Adjustable Anchor End	1
44	13B-7-24	Yoke Only - Less Pin & Cotter	1
45	13B-7-25	Pin Only - Yoke	1
	13B-7-27	Cotter Only - Pin	1
46	3B-10-50	End Connector - Piston Rod to Latch Body	1
47	N. P. N.	Nylon Bushing - 8N8D	2
Plate 3-52		<u>AIR CYLINDER ASSEMBLY - DOOR LOCK</u>	
	3B-10-85	Air Cylinder Assembly - Entrance Door Lock	1
1	3B-10-95	End Plate - Anchor End Stud	1
2	3B-10-87	End Plate - Piston Rod End	1
3	3B-10-88	Cylinder - 1 3/4 I. D. x 3/16 Wall	1
4	3B-10-90	Piston - 1 3/4 Dia.	1
5	3B-10-91	Piston Rod - 1/2 Dia.	1
6	4A-25-65	Spring - 1 3/8 O. D. x 4 x 1/8 Wire - Piston Return	1
7	3B-10-92	Tube - Inner - Piston Stop	1
8	3B-10-93	Snap Ring - Cylinder Ends	2
9	3B-10-94	Bushing - Nylon - Piston Rod End	1
10	3B-10-96	"O" Ring - End Plate - Anchor End	1
11	3B-10-97	Packing - Piston	1
12	3B-10-98	Stud - Anchor End	1

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KEY	PART NUMBER	DESCRIPTION	QTY.
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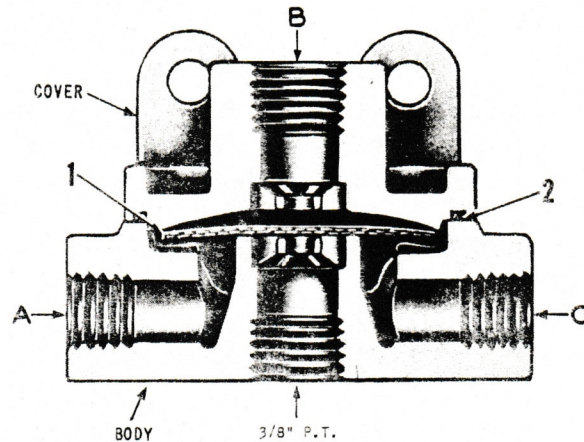
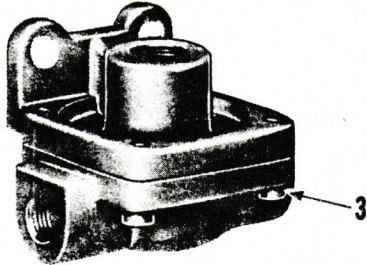


PLATE 4-30: QUICK RELEASE VALVE

Plate
4-30QUICK RELEASE VALVE

	4C-12-1	Valve Assy. - Entrance Door Quick Release	1
	4C-12-2	Body	1
	4C-12-3	Cover	1
1	4C-12-4	Diaphragm	1
2	4C-12-5	Grommet, 2 1/4" O. D.	1
3	4C-12-6	Machine Screw	4
	4B-21-1	Valve Assy. - Entrance Door Lock Overrule	1

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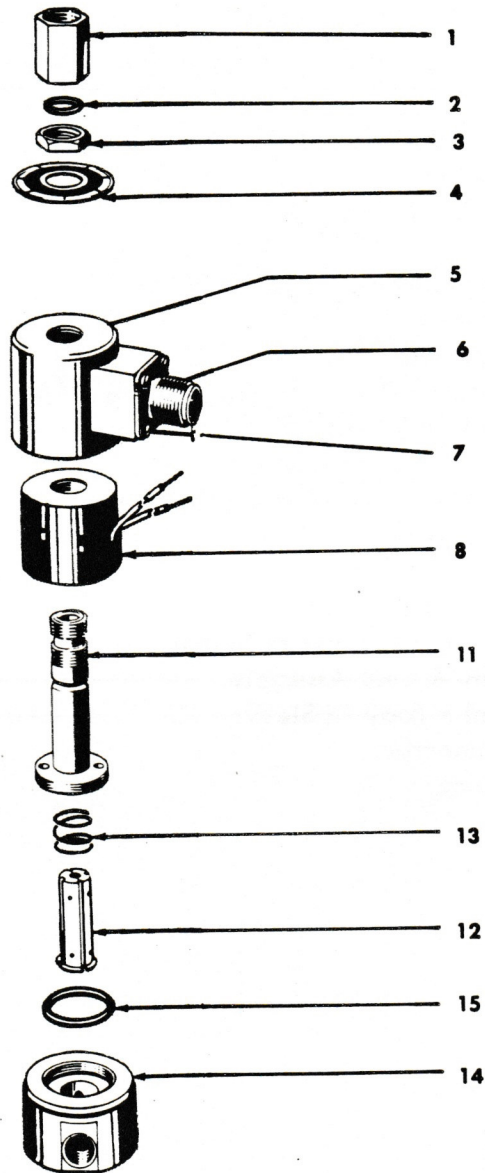


PLATE 8 - 20 - AIR VALVE

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KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 8-20		<u>SKINNER ELECTRIC AIR OPERATED VALVE</u> 3.1006	
	16A-10-7	Valve - Air - Entrance Door Lock (24 Volt)	1
1	16A-10-91	Adapter	1
2	16A-10-92	Seal - Adapter to Nut	1
3	16A-10-93	Nut	1
4	16B-10-9	Nameplate - (Specify 24 Volt)	1
5	16A-10-95	Housing	1
6	16A-10-96	Connector	1
7	16A-10-97	Screws - Connector to Housing - #4 - 40 x 3/16 Fil. Hd.	4
	16A-10-98	Lock Wire - .020 x 7"	1
8	16B-10-8	Coil - (Specify 24 Volt)	1
	16A-10-100	Washer - Coil (Fish Paper)	2
	16A-10-101	Wrapper - Coil - (Fish Paper)	1
11	16A-10-102	Sleeve Assembly	1
12	16A-10-103	Plunger Assembly	1
13	16A-10-104	Spring - Plunger to Sleeve	1
14	16A-10-105	Body & Seat Assembly	1
15	16A-10-106	Seal - Body to Sleeve	1
	16A-10-107	Connector	1
	16A-10-108	Clamp	1

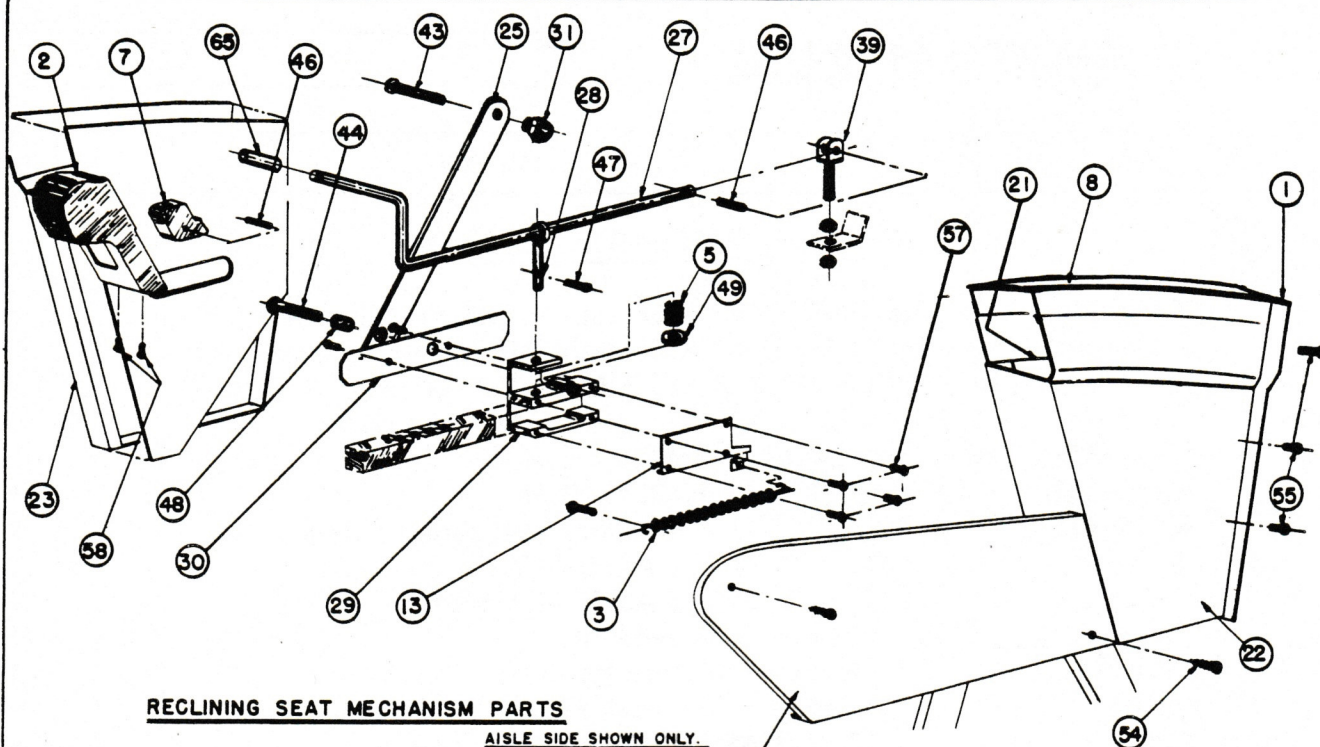


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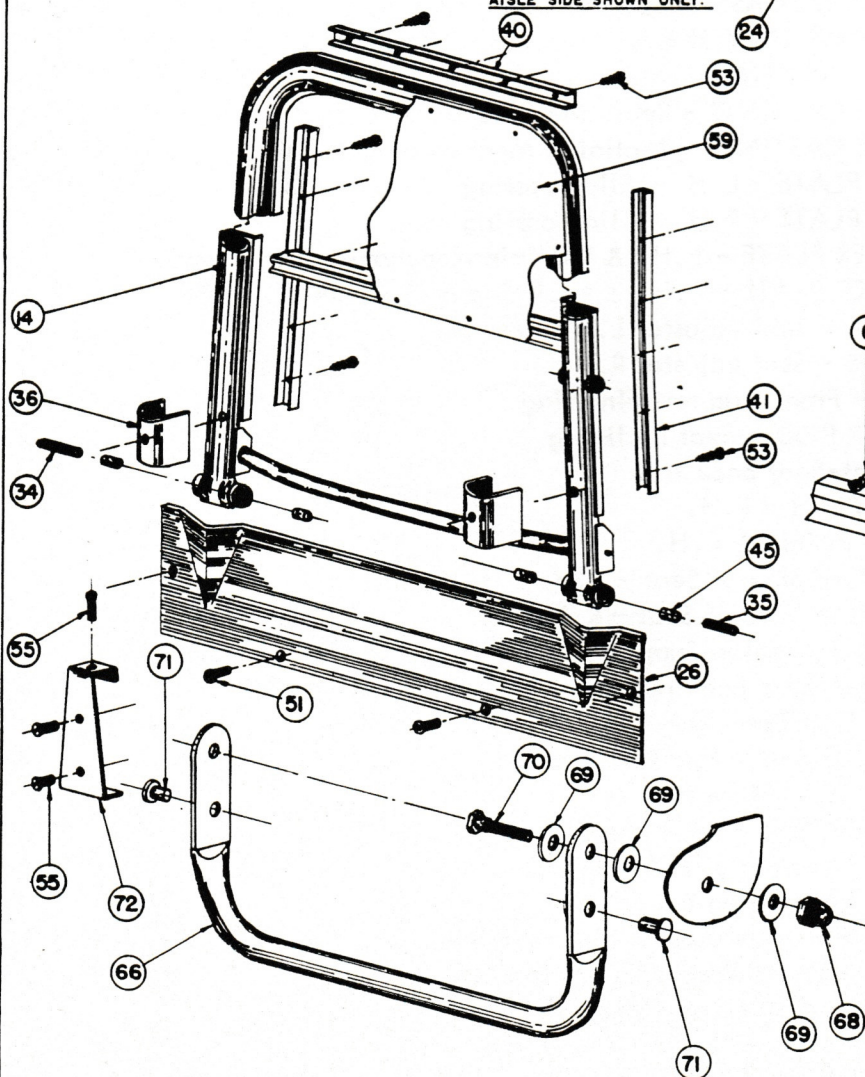
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KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 3-38		<u>PASSENGER SEATS (M.C.I.)</u>	
	3C-11-344	RECLINER SEAT ASSEMBLY - L.H. short armrest	
	3C-11-345	RECLINER SEAT ASSEMBLY - R.H. short armrest	
	3C-11-346	RECLINER SEAT ASSEMBLY - R.H. Rear - without foot rest front of lav.	1
	3C-11-356	FRAME ASSEMBLY - L.H.	1
	3C-11-362	FRAME ASSEMBLY - R.H.	1
	3C-11-432	Rod - Spring retaining front & rear of seat	2
14	3B-11-14	SEAT BACK FRAME ASSEMBLY - L.H.	1
14	3B-11-57	SEAT BACK FRAME ASSEMBLY - R.H.	1
	3A-11-495	Panel - Back headrest	2
59	3A-11-496	Panel - Seat Back Headrest	2
45	3A-11-143	Bushing - Seat Back Pivot	8
66	3B-11-52	FOOT REST ASSEMBLY Passenger Seat	2
39	3A-11-223	MOUNTING YOKE S/A - Pivot - Lifter Rod	2
28	3A-11-115	LOCKING PIN	2
29	3C-11-284	SLIDE CASTING - Reclining Mechanism L.H.	1
29	3C-11-285	SLIDE CASTING - Reclining Mechanism R.H.	1
13	3A-11-344	SIDE PLATE - L.H. - Slide casting	1
13	3A-11-345	SIDE PLATE - R.H. - Slide casting	1
30	3A-11-120	COVER PLATE - L.H. & Reclining mechanism slide assy.	1
30	3A-11-121	COVER PLATE - R.H. & Reclining mechanism slide assy.	1
7	3A-11-351	KNOB - Seat adjuster L.H.	1
7	3A-11-352	KNOB - Seat adjuster R.H.	1
2	3A-11-353	CAP - Front Arm rest Finishing	2
27	3B-11-13	LIFTER ROD - Seat reclining	2
36	3A-11-142	U-Boot-Seat back trim	4
26	3A-11-110	Kick Panel - L.H.	1
26	3A-11-111	KICK PANEL - R.H.	1
24	3A-11-99	PANEL - Side of Seat - L.H.	1
24	3A-11-100	PANEL - Side of Seat - R.H.	1
6	3A-11-461	Spring - Cushion Support Cloth	26
3	3A-11-13	Spring - Seat Back return	2
25	3C-11-286	Bar - Seat back link	2
70	3A-11-102	Shoulder Bolt - foot rest mtg.	4
68		Nut - 5/16 Fibre Nut	2
43	3C-11-287	Shoulder Bolt - reclining bar mtg.	4
31	3A-11-124	NUT - eccentric adjusting	2
44	3A-11-250	BOLT - reclining bar mech.	2
35	3A-11-139	Pin-centre - seat back mtg. to frame	1
34	3A-11-140	Pin-outer-seat back mtg. to frame	2
5	3A-11-5	Spring - mechanism lock pin	2
49		Washer	
47		Split Pin	
48	3B-11-264	Bushing recliner bar	2



RECLINING SEAT MECHANISM PARTS

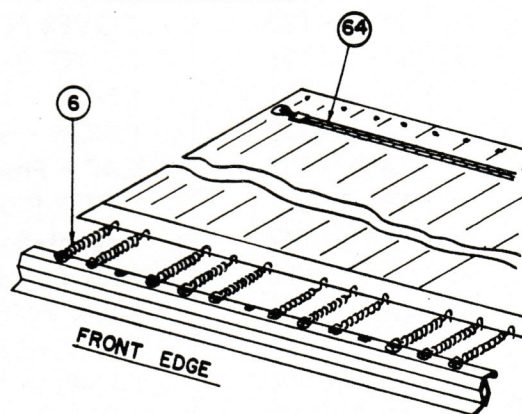
AISLE SIDE SHOWN ONLY.



FOOT REST AND SEAT BACK PARTS

AISLE SIDE SHOWN ONLY

CUSHION SPRINGS



M.C.I. RECLINING SEATS



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KEY	PART NUMBER	DESCRIPTION	QTY.
23	3A-11-47	PANEL - Seat Arm rest	1
21	3B-11-44	PANEL - L.H. - Inner seat mechanism closing	1
21	3B-11-45	PANEL - R.H. - Inner seat mechanism closing	1
22	3B-11-46	PANEL - L.H. - Outer Seat mechanism closing	1
22	3B-11-47	PANEL - R.H. - Outer Seat mechanism closing	1
1	3B-11-48	PLATE - rear seat mechanism closing L.H.	1
1	3B-11-49	PLATE - rear seat mechanism closing R.H.	1
8	3B-11-50	U-CHANNEL - Arm rest	2
	3B-11-51	U-CHANNEL - Arm rest reinforcing	4
	N.P.N.	NUT - 1/4" N.F. Hex.	4
65	3B-11-56	LOOM - Lifter rod cover	2
	N.P.N.	STAR WASHER - Internal tooth	2
46	N.P.N.	ROLL PIN - 1/8" x 1/2" Steel	2
	N.P.N.	ROLL PIN - 1/16 x 1/2 Steel	2
72	3B-11-40	Mtg. Bracket - Kick Panel mtg. to seat frame	9
	3B-13-3	Seat Back - Foam Rubber - Latex	2
	3A-13-36	Seat Cushion - Foam Rubber - Latex	1
	3A-13-18	Head Rest - Foam Rubber - Latex	2
	3A-13-8	Wedge - Seat back Foam rubber L.H.	2
	3A-13-9	Wedge - Seat back Foam rubber R.H.	2
52	3C-11-289	PANEL - FIBREGLASS-Reinforcing in Seat Back	2
	3C-11-363	Cover Assembly - Seat Back - Zipper head rest Vinyl (specify material color)	2
	3C-11-364	Cover Assembly - Zipper Headrest Vinyl (specify material color)	2
	3C-11-361	Cover Assembly - Passenger Cushion Seat Vinyl (specify material color)	1
	3C-11-349	Recliner Seat Assembly - Complete with pillow headrest - 1.h.	1
	3C-11-351	Recliner Seat Assembly - Complete with pillow headrest rear R.H. with Lav.	1
53		#6 Phillips - Truss HD. Sheet Metal Screw 3/4"	
55		#8 Phillips - Truss HD. Self-Tapping Screw 1/2"	
57		#6 Phillips - Flat HD. Self-Tapping Screw 3/8"	
58		#6 Phillips - Oval HD. Sheet Metal Screw 3/8"	
		<u>REAR CROSS SEAT -(Chesterfield)</u>	
		<u>Zipper headrest type</u>	
	3C-11-352	Chesterfield Assy. (3 pass.) - C/W Lav. Install	1
	3C-11-347	Chesterfield Assy. - No Lav. Install (3 pass.)	1
	3C-11-348	Chesterfield Assy. - (2 Pass.) no Lav. install.	1

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KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>PILLOW HEAD REST TYPE</u>	
	3C-11-353	Chesterfield Assy. (3 pass.) C/W lav. install	1
	3C-11-354	Chesterfield Assy. (3 pass.) No lav. install	1
	3C-11-355	Chesterfield Assy. (2 pass.) No Lav. install	1
40	3A-11-240	U-CHANNEL - Hanging back cloth	6
41	3A-11-241	U-CHANNEL - Hanging fastening - top - long	6
64	N.P.N.	Zipper - Seat Cushion - Rear - Short	2



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KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 3-56		PASSENGER SEATS 3.1101 (NATIONAL) <u>NOTE: (For Driver's Seat See Group 3.12)</u>	
2	3C-11-9	Seat Assembly - #1 R.H. - Wheelhouse Seat	1
3	3C-11-10	Seat Assembly - #2, 4, 5, 6, 7, & 8 R.H. Std.	6
4	3C-11-12	Seat Assembly - #3 R.H.	1
5	3C-11-13	Seat Assembly - #9 R.H. Rear - Less Footrests	1
6	3C-11-14	Seat Assembly - #1 L.H. Wheelhouse Seat - C/W Aisle Light	1
7	3C-11-15	Seat Assembly - #2, 4, 6, & 8 L.H. Std.	4
8	3C-11-16	Seat Assembly - #3 L.H. - C/W Aisle Light	1
9	3C-11-17	Seat Assembly - #5 & 7 L.H. - C/W Aisle Light	2
10	3C-11-18	Seat Assembly - #9 L.H. - C/W Aisle Light	1
11	3C-11-19	Seat Assembly - Rear Chesterfield Reclining (2 Pass.)	1
12	3C-11-20	Seat Assembly - Rear Stationary (1 Pass.)	1

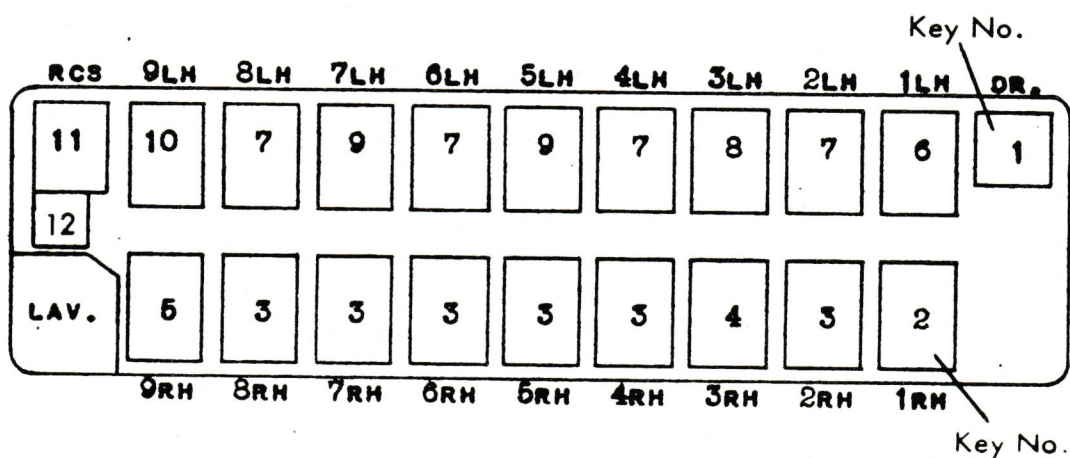


PLATE 3 - 56 - PASSENGER SEAT LAYOUT

Challenger**PARTS MANUAL**

KEY	PART NUMBER	DESCRIPTION	QTY.
Plare 3-57		<u>STANDARD SIDE SEAT ASSEMBLY</u> 3.1102 (NATIONAL)	Per Seat
1	3C-11-23	Frame Assembly - Specify L.H.	1
1	3C-11-24	Frame Assembly - Specify R.H.	1
2	3C-11-25	Back Assembly - Upholstered - R.H. (See fwg. page for details)	1
3	3C-11-26	Back Assembly - Upholstered - L.H. (See fwg. page for details)	1
4	3C-11-27	Bolt - Shoulder	4
5	3C-11-28	Cushion Assembly - Upholstered (See fwg. page for details)	2
6	3C-11-29	Stop Nut - Esna	4
	3C-11-52	Seat Lock Assy - C/W Handle & Cap (Includes Keys 7, 8 & 9)	2
7	3C-11-30	Seat Lock Assembly	2
8	3C-11-31	Handle - Release	2
9	3C-11-32	Cap - Rear Attach.	2
10	3C-11-33	Nut - Adjusting	2
11	3C-11-34	Snap Ring - Truarc	2
12	3C-11-35	Bushing - Nylon	2
13	3C-11-36	Collar	2
14	3C-11-37	Set Screw - #8 - 32 x 1/4	2
15	3C-11-38	Pin - 3/16 x 3/8 Drive Lock	4
16	3C-11-39	Pin - 3/16 x 1/2 Roll	8
17	3C-11-40	Pin - Special Drive Lock	4
18	3C-11-41	Spacer	2
19	3C-11-42	Liner - Foil	2
20	3C-11-43	Ring	2
21	3C-11-44	Shell - Armcap - L.H.	1
22	3C-11-45	Shell - Armcap - R.H.	1
23	3C-11-46	Screw - Shakeproof Machine - #10 - 32 x 3/8	4
24	3C-11-47	Pad - Armcap	2
25	3C-11-48	Nut - Barrel	4
26	3C-11-49	Screw - Machine - #10 - 32 x 1 1/2 Truss Head	2
27	3C-11-50	Bolt - Shoulder	2
28	3C-11-51	Footrest Assembly (See following page for details)	2

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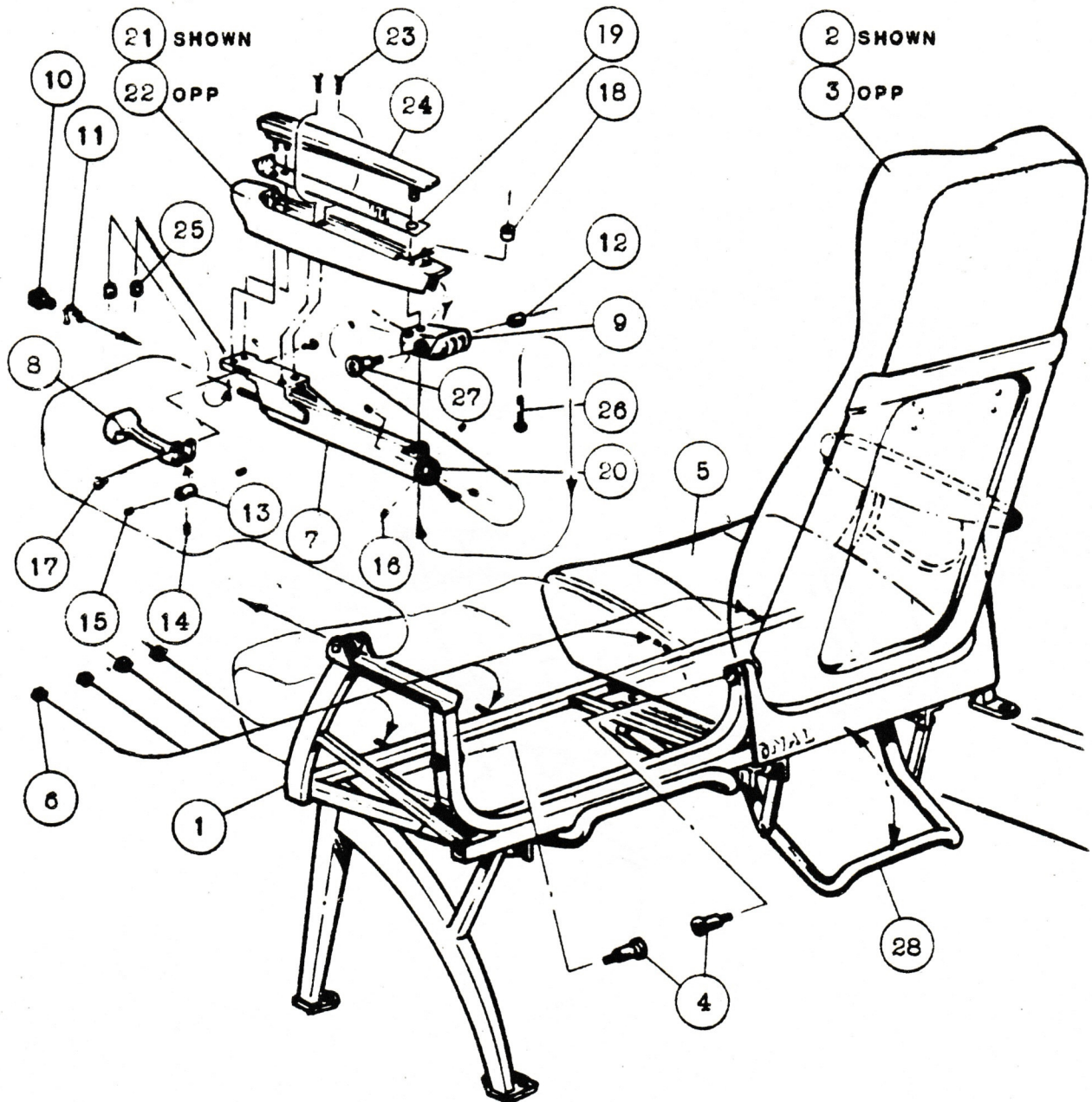


PLATE 3 - 57 - PASSENGER SEATS

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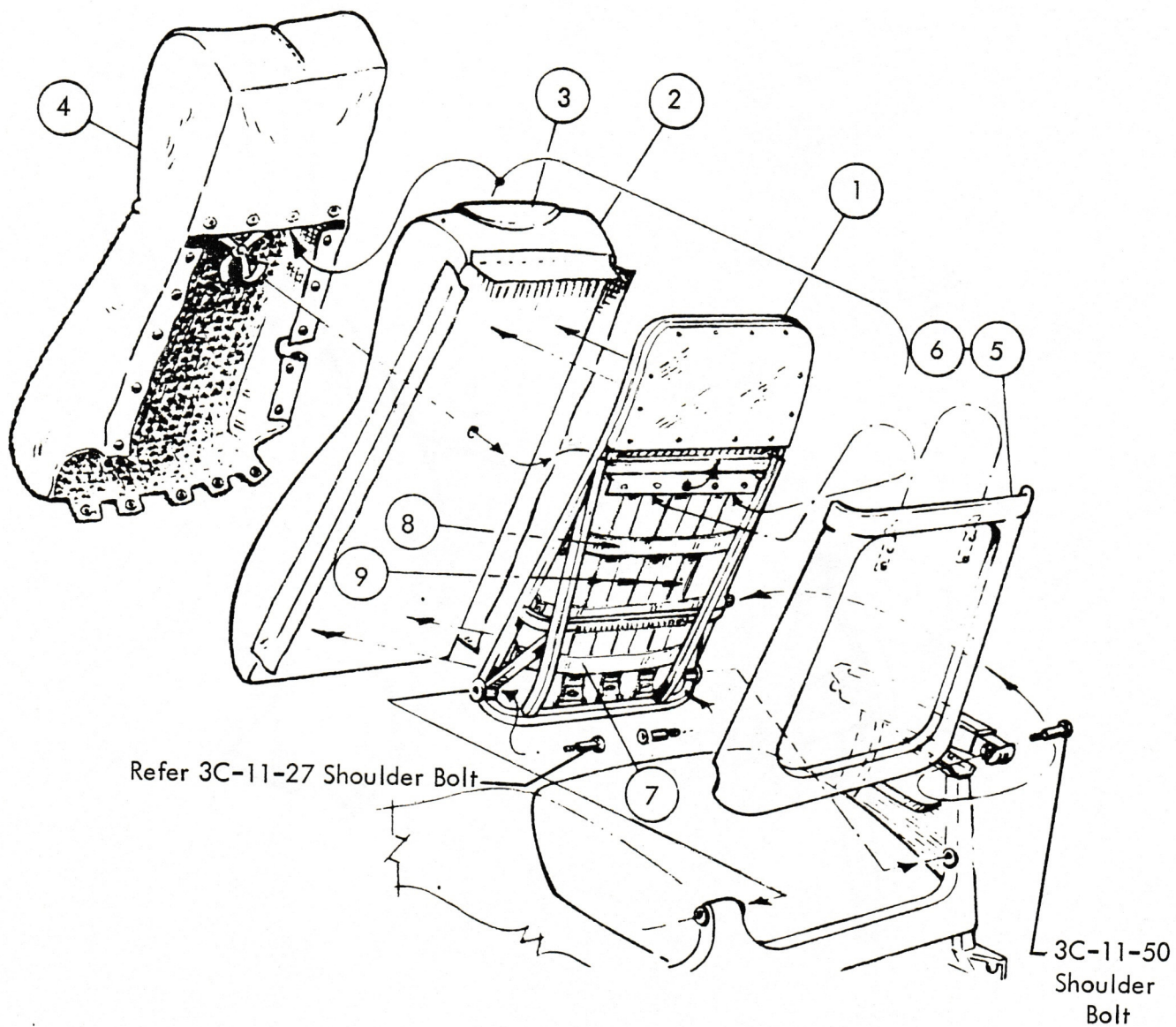


PLATE 3 - 58 - PASSENGER SEAT BACK



Challenger

PARTS MANUAL

DATE:	12/31/64	PAGE:	3 - 25
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KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 3-58		SEAT BACK ASSEMBLY (STANDARD) (NATIONAL) 3.1103	
	3C-11-53	Upholstered Back Assembly - L.H. - Passenger Seat Back	1
	3C-11-54	Upholstered Back Assembly - R.H. - Passenger Seat Back	1
1	3C-11-55	Back Frame Assembly - L.H. - Passenger Seat	1
1	3C-11-56	Back Frame Assembly - R.H. - Passenger Seat	1
2	3C-11-57	Back Pad Poly - L.H. - Passenger Seat	1
2	3C-11-58	Back Pad Poly - R.H. - Passenger Seat	1
3	3C-11-59	Pillow - Passenger Seat Back	2
4	3C-11-60	Cover Assembly - L.H. - Passenger Seat Back	1
4	3C-11-61	Cover Assembly - R.H. - Passenger Seat Back	1
5	3C-11-62	Back Trim Shell - L.H. - Passenger Seat	1
5	3C-11-63	Back Trim Shell - R.H. - Passenger Seat	1
6	3C-11-64	Screw - #10 - 32 x 3/8 Truss Head Ph. Sems	12
7	3C-11-65	Web - Bottom - L.H. or R.H.	2
8	3C-11-66	Web - Top - L.H. or R.H.	2
9	3C-11-67	Web - Vertical - L.H. or R.H.	6

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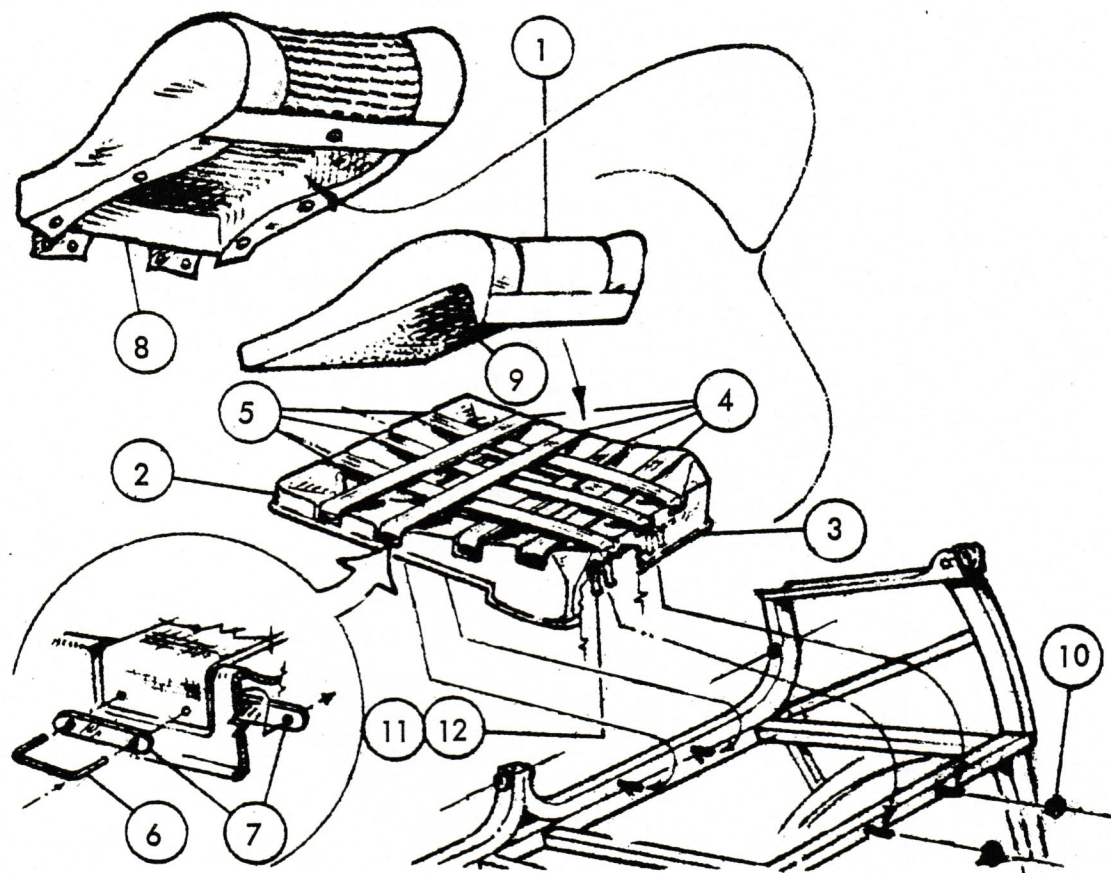


PLATE 3 - 59 - PASSENGER SEAT CUSHION



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KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 3-59		PASSENGER SEAT CUSHION ASS'Y (NATIONAL) 3.1104	
	3C-11-69	Upholstered Cushion Assembly - Passenger Seats	2
1	3C-11-70	Molded Poly Unit	2
2	3C-11-71	Shell Assembly	2
3	3C-11-72	Shell Only	2
4	3C-11-73	Cross Web	8
5	3C-11-74	Longitudinal Web	6
6	3C-11-75	Staple	28
7	3C-11-76	Strap	56
8	3C-11-77	Cover Assembly	2
9	3C-11-78	Wire Screen	2
10	N.P.N.	Stop Nut - Esna	4
11	3C-11-79	Clip	4
12	N.P.N.	Aluminum Rivet - 3/16 x 3/8 Brazier Head	8

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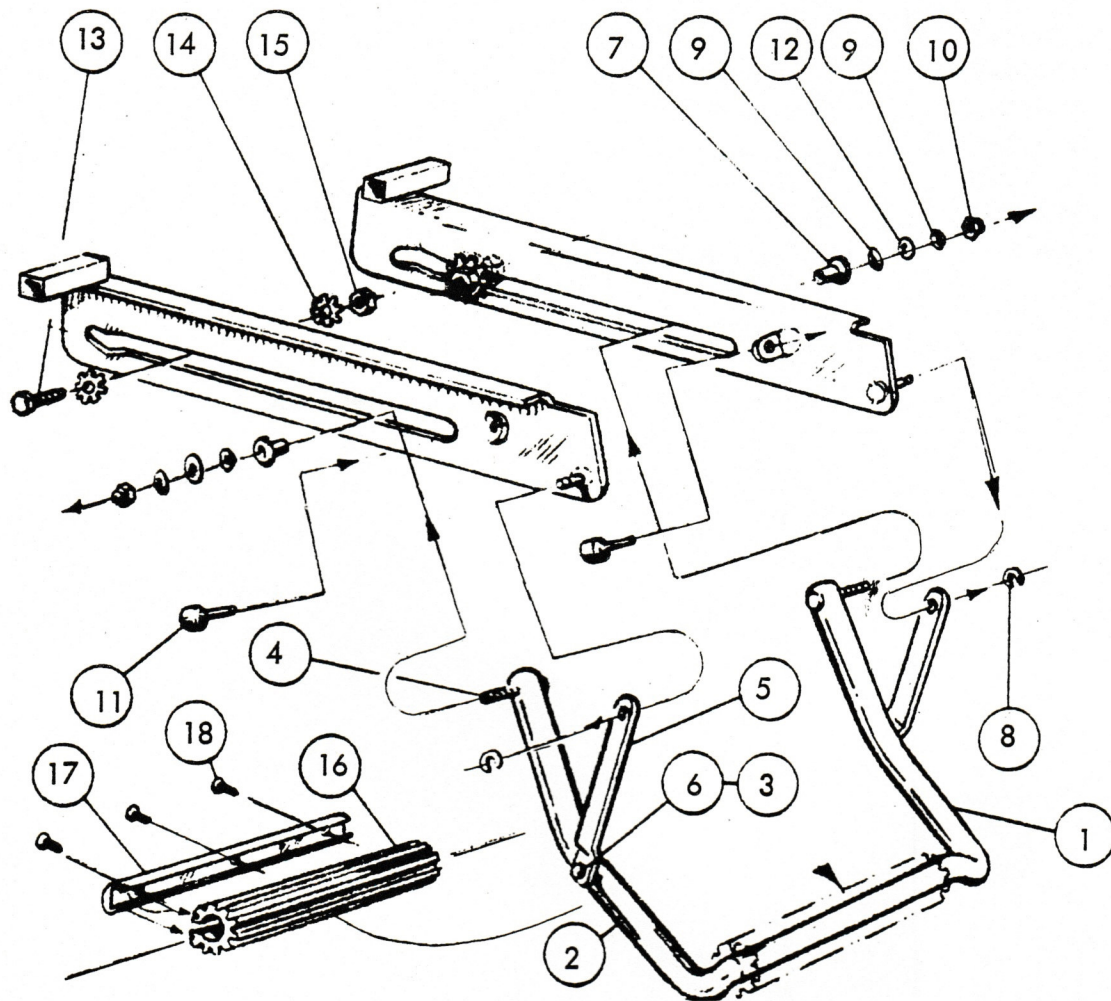


PLATE 3 - 60 - PASSENGER FOOT REST



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GROUP:	3.11		
MODEL MC-5A & MCC-5A			

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 3-60		FOOT REST ASS'Y - PASSENGER SEATS (NATIONAL) 3.31105	
	3C-11-81	Foot Rest Assembly - Complete	2
1	3C-11-82	Foot Rest W/Links	2
2	3C-11-83	Foot Rest Bending	2
3	3C-11-84	Pin - Pivot	4
4	3C-11-85	Pin - Slide	4
5	3C-11-86	Link	4
6	3C-11-87	Washer - Shakeproof Spring	4
7	3C-11-88	Spacer	4
8	3C-11-89	Snap Ring	4
9	3C-11-90	Washer - Bow	8
10	3C-11-91	Nut - Esna #10 - 32	4
11	3C-11-92	Bumper - Rubber	4
12	N.P.N.	Washer - Flat 5/8 O.D. x 3/16 I.D.	4
13	N.P.N.	Cap Screw - 1/4 - 20 x 1/2 Hex. Head	4
14	3C-11-93	Washer - Shakeproof	8
15	3C-11-94	Nut - Esna - 1/4 - 20	4
16	3C-11-95	Tread Cover - Rubber	2
17	3C-11-96	Tread Lock Strip	2
18	N.P.N.	Screw - #8 - 32 x 1/2 O.H. Ph. Rec. Type #1	6

PARTS MANUAL

MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 3-61		<u>AISLE LIGHT ASSEMBLY</u> 3.1106	
1	3C-11-98	Aisle Light Assembly - Passenger Seat	1
	3C-11-99	Light and Loom Assembly	1
2	3C-11-100	Socket & Wire Assembly - Lamp	1
3	1251	Bulb - 24 Volt	1
4	3C-11-102	Bracket	1
5	3C-11-103	Grommet	1
6	N.P.N.	Screw - #8 - 32 X 1/2 B.H. Ph. Rec. Sh. Met.	3
	3C-11-395	Shield	1

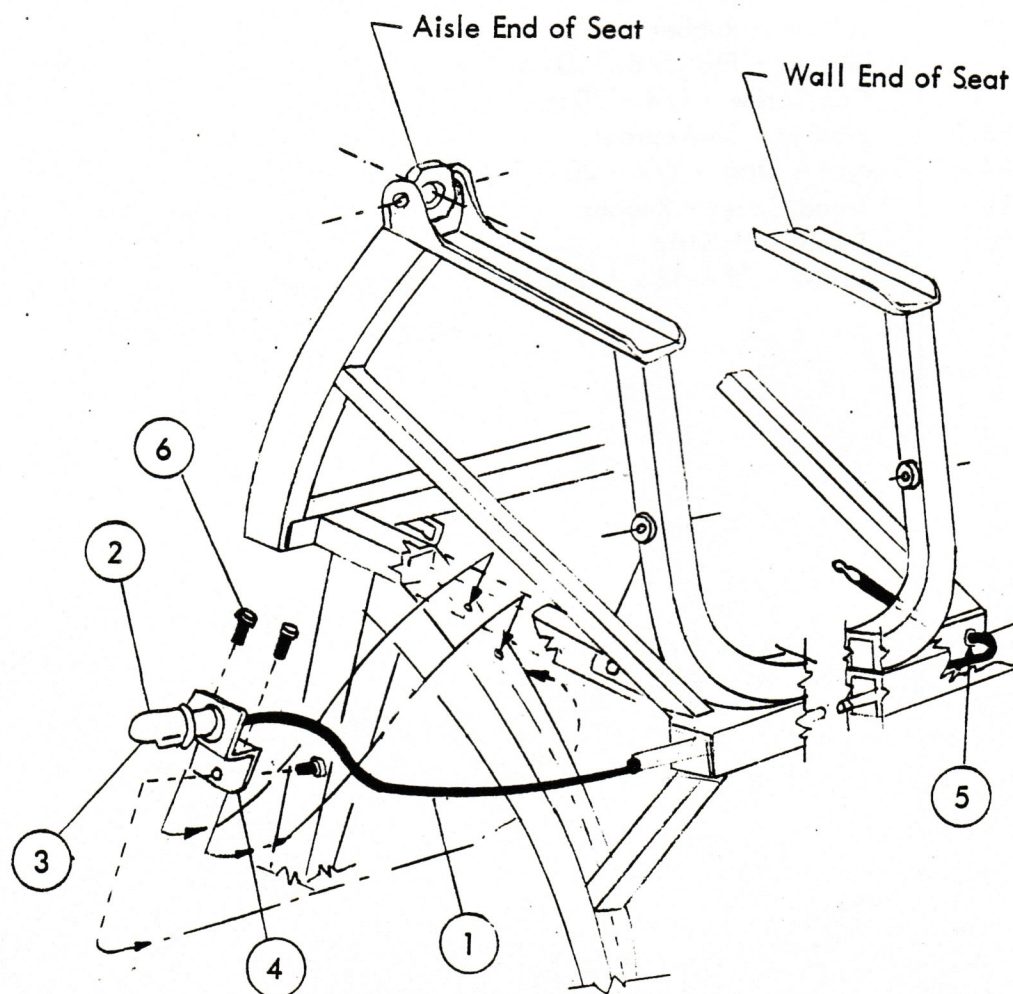


PLATE 3 - 61: AISLE LIGHT ASSEMBLY

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KEY	PART NUMBER	DESCRIPTION	QTY.
Plate <u>3-62</u>		SEAT LOCK - LIMITED RECLINE (NATIONAL) 3.1107	
1	3C-11-104	Seat Lock - Limited Recline	2
2	3C-11-105	Cover - Seat Lock	2
3	N.P.N.	Screw - #8 - 32 x 3/8 P. Hd. Ph. Rec. Sems	4
4	N.P.N.	Bolt - 1/4 - 20 x 1 1/2 (As Req'd)	1
4	N.P.N.	Bolt - 1/4 - 20 x 1 1/8 (As Req'd)	1
4	N.P.N.	Bolt - 1/4 - 20 x 3/4 (As Req'd)	1
<u>NOTE: Item #4 will vary to limit of recline desired..</u>			
See Note			
<u>PLATE 3 - 62</u> - SEAT LOCK - LIMITED RECLINE			

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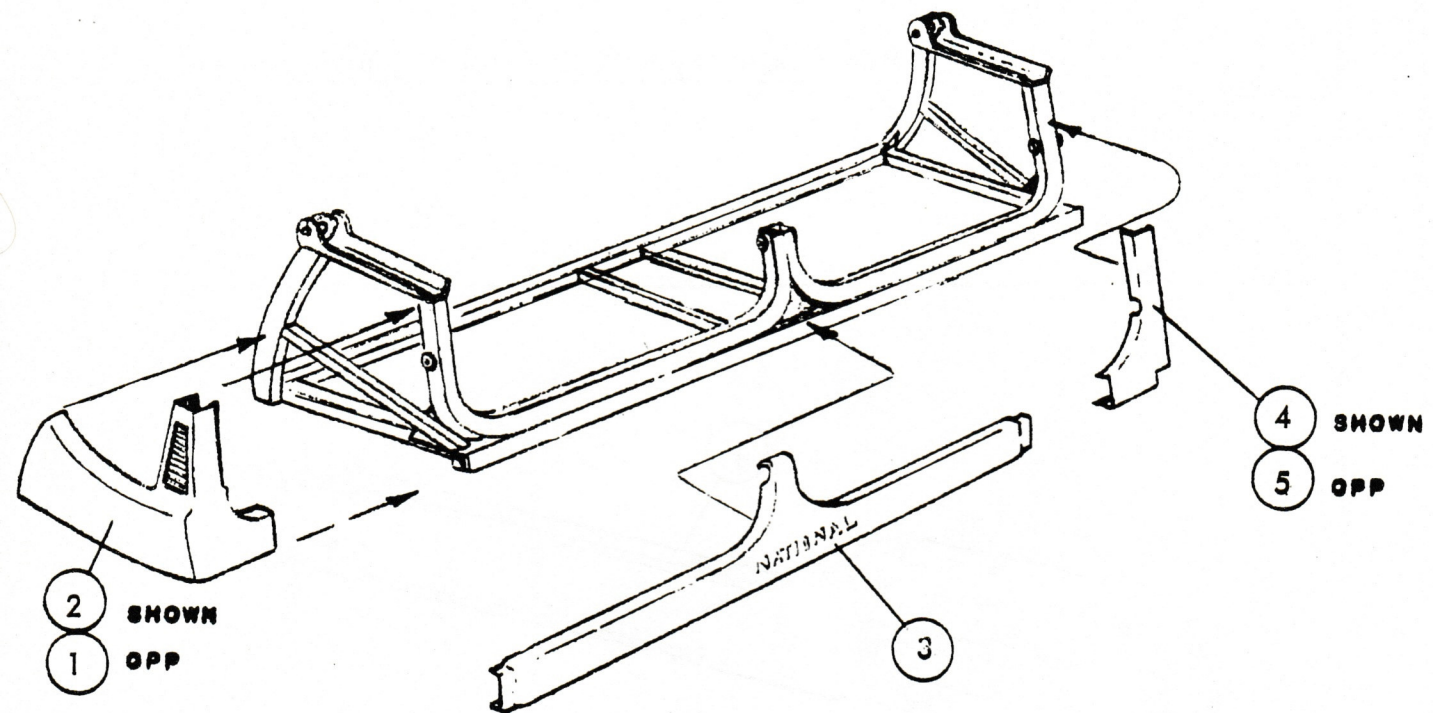


PLATE 3 - 63 - TRIM PARTS



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KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 3-63		PASSENGER SEAT TRIM PARTS 3.1108 (NATIONAL)	
1	3C-11-107	Trim - Outside Arm R.H.	1
2	3C-11-108	Trim - Outside Arm L.H.	1
3	3C-11-109	Trim - Rear Rail	1
4	3C-11-110	Trim - Rear Wall R.H.	1
5	3C-11-111	Trim - Rear Wall L.H.	1
Plate 3-64		REAR CHESTERFIELD SEAT ASSEMBLY (NATIONAL)	
Q1	3C-11-19	Chesterfield Seat Assembly - Rear L.H. - 2 Passengers	1
Q2	3C-11-20	Chesterfield Seat Assembly - Rear R.H. - 1 Passenger	1
1	3C-11-113	Frame Assembly - 2 Passengers L.H.	1
2	3C-11-114	Frame Assembly - 1 Passenger R.H.	1
3	3C-11-115	Reclining Mechanism	3
4	N.P.N.	Roll Pin - 3/16 x 1 1/2	3
5	3C-11-116	Trip Handle Assembly	3
6	N.P.N.	Roll Pin - 3/32 x 5/8	3
7	N.P.N.	Roll Pin - 3/16 x 5/8	6
8	3C-11-117	Pin - Guide	3
9	3C-11-118	Collar - Stop	3
10	3C-11-119	Shield	3
11	N.P.N.	Roll Pin - 3/16 x 1	3
12	3C-11-120	Upholstered Back Assembly - Rear Center	1
	3C-11-123	Back Frame Assembly	1
	3C-11-126	Poly Back	1
	3C-11-129	Pillow	1
	3C-11-131	Cover	1

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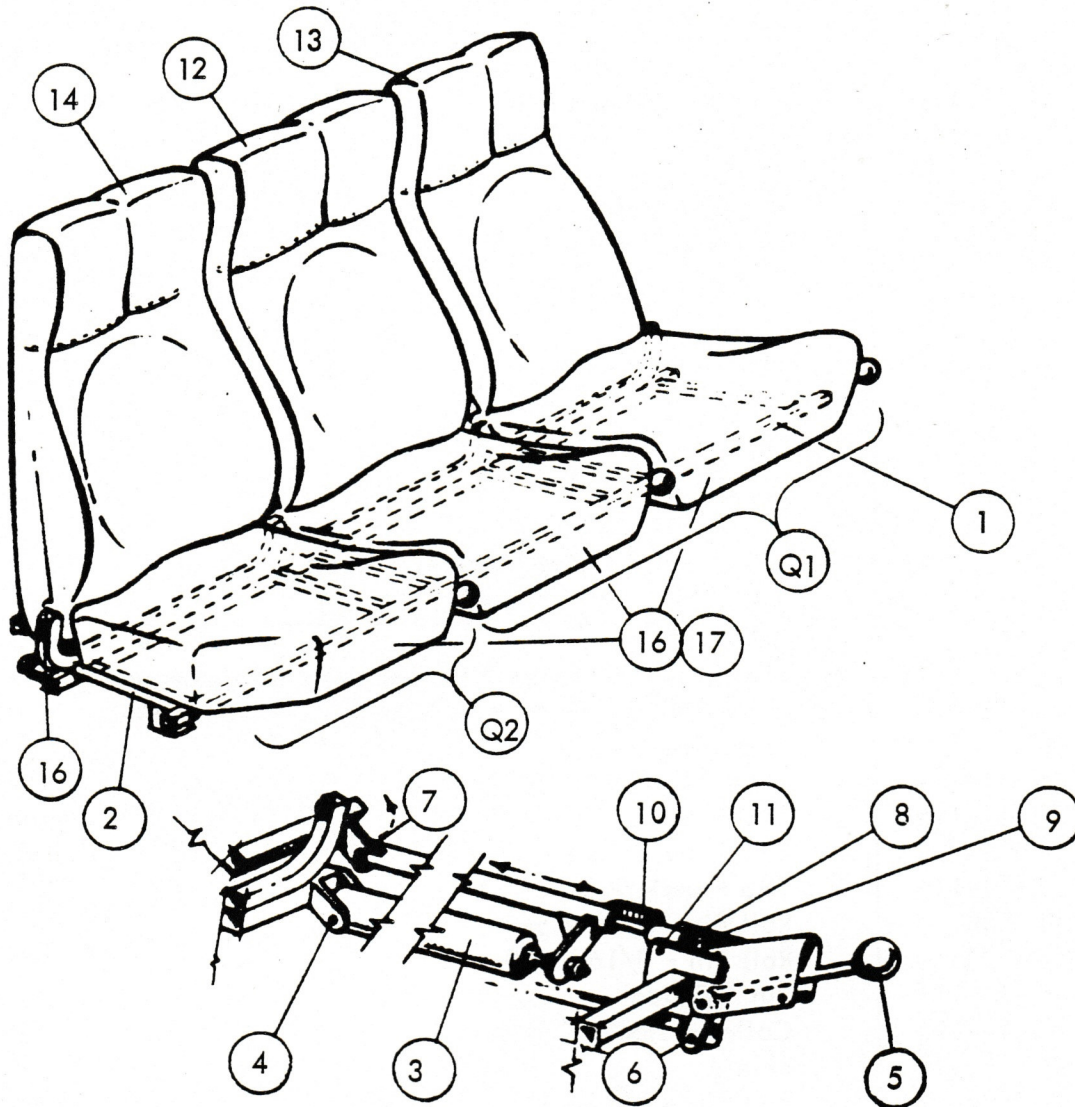


PLATE 3 - 64 - PASSENGER CHESTERFIELD SEAT



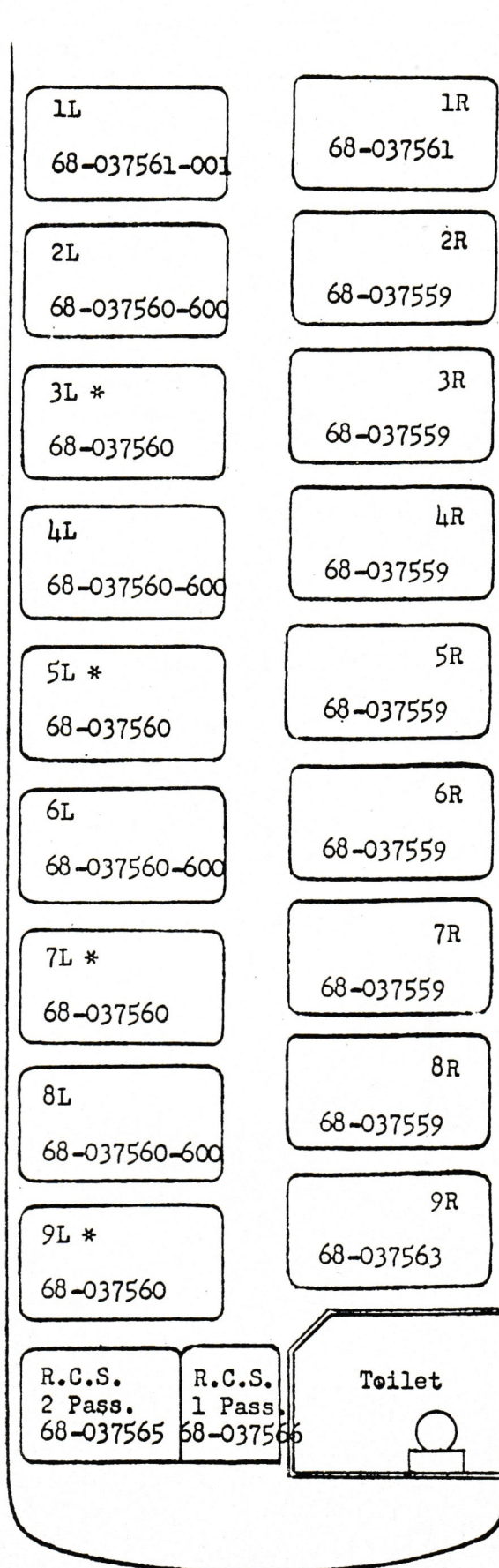
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KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 3-64		REAR CHESTERFIELD SEAT ASSEMBLY (Cont'd) (NATIONAL) 3.1109	
13	3C-11-121	Upholstered Back Assembly - Rear L.H.	1
	3C-11-124	Back Frame Assembly	1
	3C-11-127	Poly Back	1
	3C-11-130	Pillow	1
	3C-11-132	Cover	1
14	3C-11-122	Upholstered Back Assembly - Rear R.H.	1
	3C-11-125	Back Frame Assembly	1
	3C-11-128	Poly Back	1
	3C-11-130	Pillow	1
	3C-11-133	Cover	1
15	3C-11-27	Shoulder Bolt	6
16	3C-11-134	Upholstered Cushion Assembly - Rear Chesterfield Seat	3
	3C-11-135	Molded Poly Unit - Seat Cushion	3
	3C-11-136	Shell Assembly	3
	3C-11-137	Shell Only	3
	3C-11-78	Wire Screen	3
	3C-11-138	Cross Web	12
	3C-11-139	Cover Assembly	3
	3C-11-74	Longitudinal Web	9
	3C-11-75	Staple	52
	3C-11-76	Strap	84
	3C-11-79	Clip	6
17	N.P.N.	Stop Nut - Esna	3

Seating Arrangement Diagram
Specification No. 102
Layout 3C-11-1 (Rev. "F")
Model MC-5





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KEY	PART NUMBER	DESCRIPTION	QTY.
Plate		<u>PASSENGER SEATS</u> 3.111C (American) <u>NOTE: (For Driver's Seat See Group 3.12)</u>	
2	3C-11-279	Seat Assembly - #1 R.H. - Wheelhouse seat	1
3	3C-11-155	Seat Assembly - #2,3,4,5,6,7, & 8 R.H. Std.	7
4	3C-11-280	Seat Assembly - #9 R.H. Rear W/O Footrests	1
5	3C-11-281	Seat Assembly - #1 L.H. Wheelhouse Seat	1
6	3C-11-282	Seat Assembly - #2,4,6, & 8 L.H. Std.	4
7	3C-11-156	Seat Assembly - #3,5,7, & 9 L.H. Std. C/W Aisle Light	4
8	3C-11-249	Seat Assembly - Rear Cross Seat (2 pass.) Reclining	1
9	3C-11-266	Seat Assembly - Rear Cross Seat (Single pass.)	1

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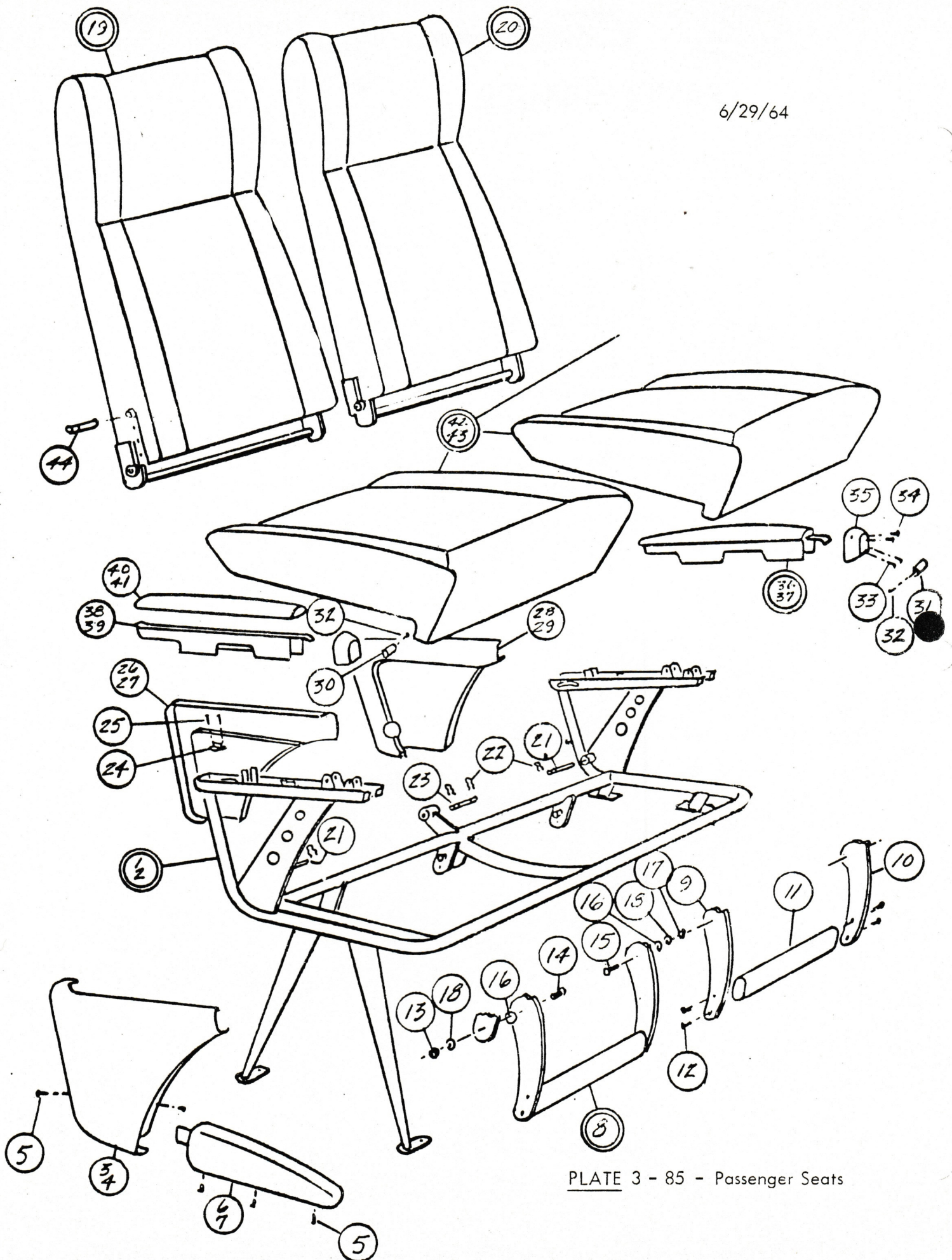


PLATE 3 - 85 - Passenger Seats



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KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 3-85		<u>PASSENGER SEATS (Cont'd)</u> (American)	3.1102
	3C-11-155	Seat - Main Assembly - R.H.	1
	3C-11-156	Seat - Main Assembly - L.H.	1
1	3C-11-157	Frame Assembly - R.H.	1
2	3C-11-158	Frame Assembly - L.H.	1
3	3C-11-159	Trim Panel - Outer Side R.H.	1
4	3C-11-160	Trim Panel - Outer Side L.H.	1
6	3C-11-162	Closure Panel - R.H.	1
7	3C-11-163	Closure Panel - L.H.	1
5	3C-11-161	Screws - Trim and Closure Panels	13
8	3C-11-164	Footrest Assembly	2
9	3C-11-165	Hanger - Footrest - R.H.	2
10	3C-11-166	Hanger - Footrest - L.H.	2
11	3C-11-167	Tube - Footrest	2
12	3C-11-168	Screw - Footrest	8
13	3C-11-169	Cap Nut	2
14	3C-11-170	Pin - Aisle and Wall Pivot	2
15	3C-11-171	Pin - Center Pivot	2
16	3C-11-172	Washer - Nylon	4
17	3C-11-173	Nut - Locking	2
18	3C-11-174	Washer - 1/4 I.D. - Tension	4
* 19	3C-11-175	Back Assembly - R.H.	1
* 20	3C-11-176	Back Assembly - L.H.	1
21	3C-11-177	Pin - End Bearing	2
22	3C-11-178	Clip - Hair Pin	4
23	3C-11-179	Pin - Centre Bearing	1
24	3C-11-180	Adapter	2
25	3C-11-181	Sems Unit	4
26	3C-11-182	Panel - Inside Trim (Aisle) R.H.	1
27	3C-11-183	Panel - Inside Trim (Aisle) L.H.	1
28	3C-11-184	Panel - Inside Trim (Wall) R.H.	1
29	3C-11-185	Panel - Inside Trim (Wall) L.H.	1
<u>NOTE: * For Breakdown of Back Assembly See Group 3.1105</u>			

Challenger

3 - BODY

SECTION:

3.11

GROUP:

PARTS MANUAL

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate <u>3-85</u>		<u>PASSENGER SEATS (Cont'd).</u> (American)	3.1103
30	3C-11-186	Knob - R.H.	
31	3C-11-187	Knob - L.H.	1
32	3C-11-188	Machine Screw	2
33	3C-11-189	Screw	4
34	3C-11-190	Screw	4
35	3C-11-191	Face Plate	2
36	3C-11-192	Arm Pad and Channel Assembly - R.H.	1
37	3C-11-193	Arm Pad and Channel Assembly - L.H.	1
38	3C-11-194	Channel and Bracket Assembly - R.H.	1
39	3C-11-195	Channel and Bracket Assembly - L.H.	1
40	3C-11-196	Arm Pad Assembly - R.H.	1
41	3C-11-197	Arm Pad Assembly - L.H.	1
*42	3C-11-198	Cushion Assembly - R.H.	1
*43	3C-11-199	Cushion Assembly - L.H.	1
44	3C-11-200	Pin - Back Mechanism	2
Plate <u>3-86</u>		<u>SEAT SPRING ASSEMBLY</u>	
45	3C-11-201	Stud	10
46	3C-11-202	Stud - Screw	10
47	3C-11-203	Spring - No Sag	8
48	3C-11-204	Link - Connecting	7
49	3C-11-205	Helical Spring	2
50	3C-11-206	Clip M.T.	16
NOTE: * For Breakdown of Cushion Assembly <u>See Group 3.1106.</u>			

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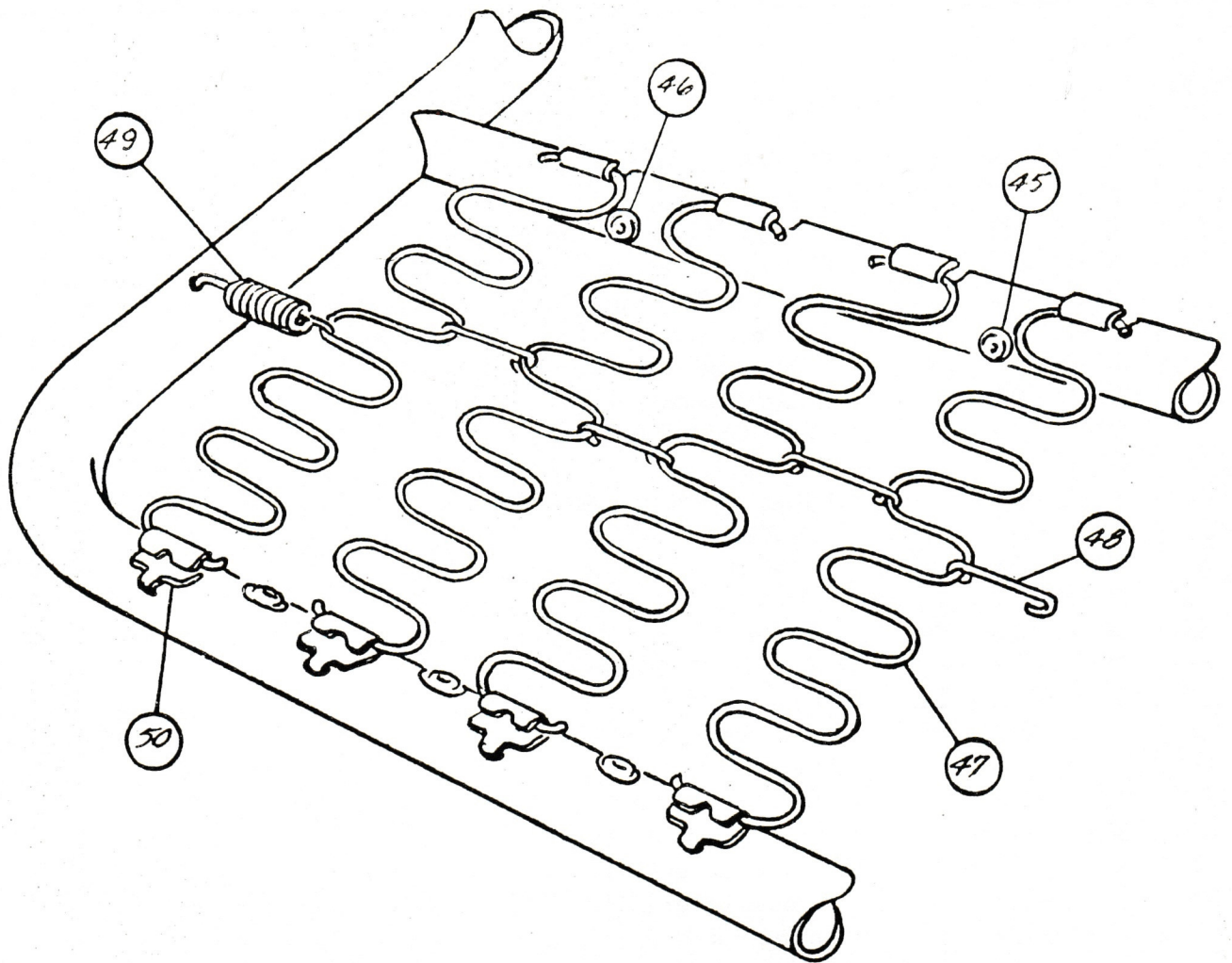


PLATE 3 - 86 - Seat Spring Assembly

Challenger

PARTS MANUAL

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 3-87		<u>SEAT MECHANISM</u> 3.1104	
51	3C-11-200	Pin - Back Mechanism	2
52	3C-11-207	Plate - Sliding	2
53	3C-11-208	Pulley, Pinion and Cable Assembly R.H.	1
54	3C-11-209	Pulley, Pinion and Cable Assembly L.H.	1
55	3C-11-210	Tube and Rack Assembly - Mechanism R.H.	1
56	3C-11-211	Tube and Rack Assembly - Mechanism L.H.	1
57	3C-11-212	Cable Assembly - R.H.	1
58	3C-11-213	Cable Assembly - L.H.	1
59	3C-11-214	Nut - Cable Terminal	4
60	3C-11-215	Cotterpin	2
61	3C-11-216	Pulley and Pinion Assembly	2
62	3C-11-217	Washer - Pulley	2
63	3C-11-218	Washer - Mechanism	2
64	3C-11-219	Pinion Pin	2
65	3C-11-220	Mechanism Roller	2
66	3C-11-221	Pin - Mechanism Roller	2
67	3C-11-222	Lever Spring R.H.	1
68	3C-11-223	Lever Spring L.H.	1
69	3C-11-224	Link	2
70	3C-11-225	Pin - Lever Release	2
71	3C-11-226	Pin - Mechanism Lever	2
72	3C-11-227	Release Lever R.H.	1
73	3C-11-228	Release Lever L.H.	1
74	3C-11-229	Spring - R.H.	1
75	3C-11-230	Spring - L.H.	1
76	3C-11-231	Rack	2
77	3C-11-232	Spring Stop	2
78	3C-11-233	Main Spring	2
79	3C-11-234	Washer Spring	2
80	3C-11-235	Mechanism Tube Assembly R.H.	1
81	3C-11-236	Mechanism Tube Assembly L.H.	1
82	3C-11-237	Set Screw	4

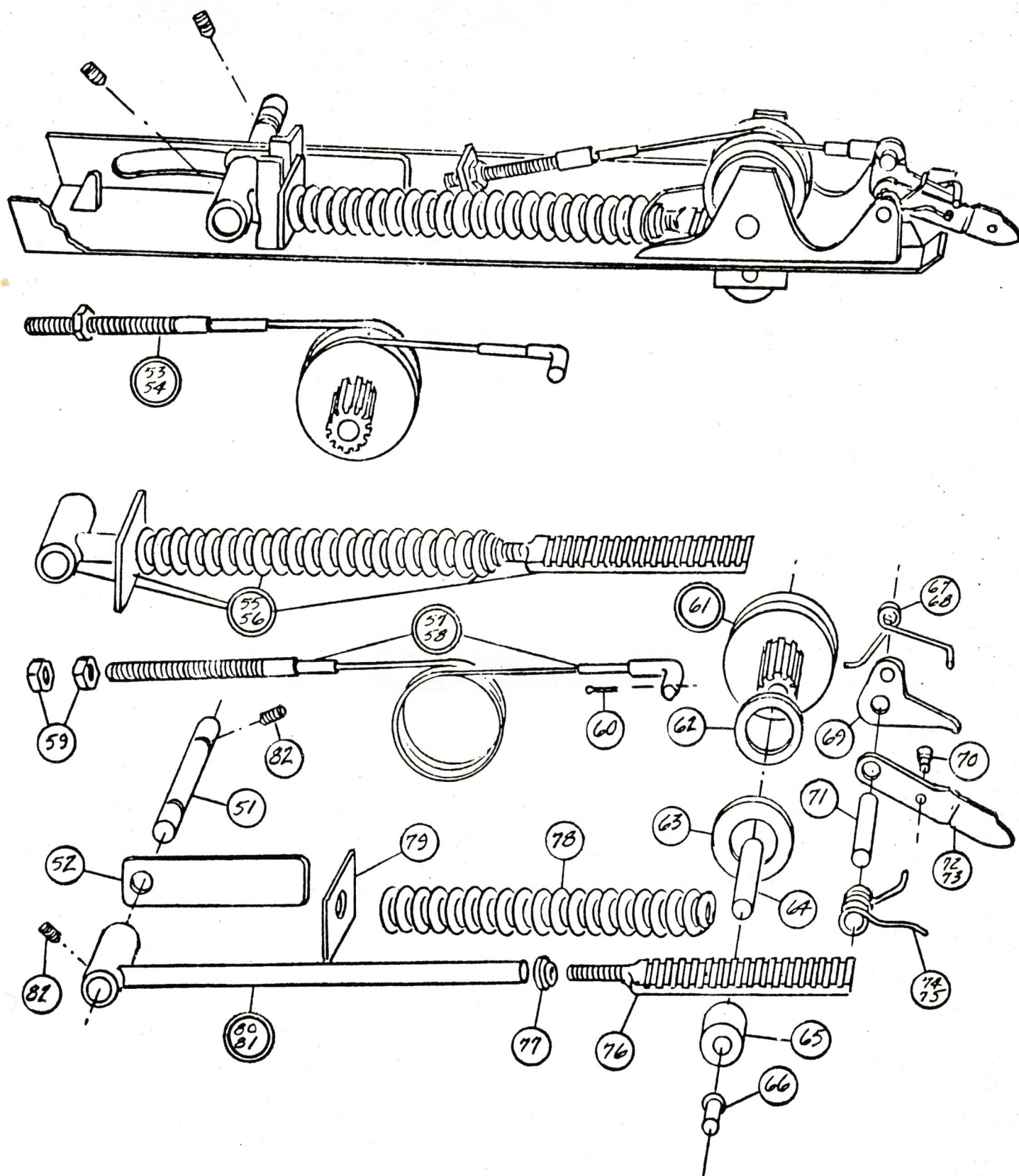


PLATE 3 - 87 - Seat Mechanism

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KEY	PART NUMBER	DESCRIPTION	QTY.
Plate <u>3-88</u>		<u>BACK ASSEMBLY</u> 3.1105	
83	3C-11-250	Back Assembly - R.H.	1
84	3C-11-251	Back Assembly - L.H.	1
85	3C-11-238	Back Frame and Polyether Assembly - R.H.	1
86	3C-11-239	Back Frame and Polyether Assembly - L.H.	1
87	3C-11-240	Panel - Scuff Protecting	2
88	3C-11-241	Cover - R.H.	1
89	3C-11-242	Cover - L.H.	1
90	3C-11-243	Screw - Scuff Panel	16
91	3C-11-244	Cover - Headrest	2
		<u>CUSHION ASSEMBLY</u> 3.1106	
92	3C-11-198	Cushion Assembly - R.H.	1
93	3C-11-199	Cushion Assembly - L.H.	1
94	3C-11-245	Cushion - Polyether - R.H.	1
95	3C-11-246	Cushion - Polyether - L.H.	1
96	3C-11-247	Cover - R.H.	1
97	3C-11-248	Cover - L.H.	1

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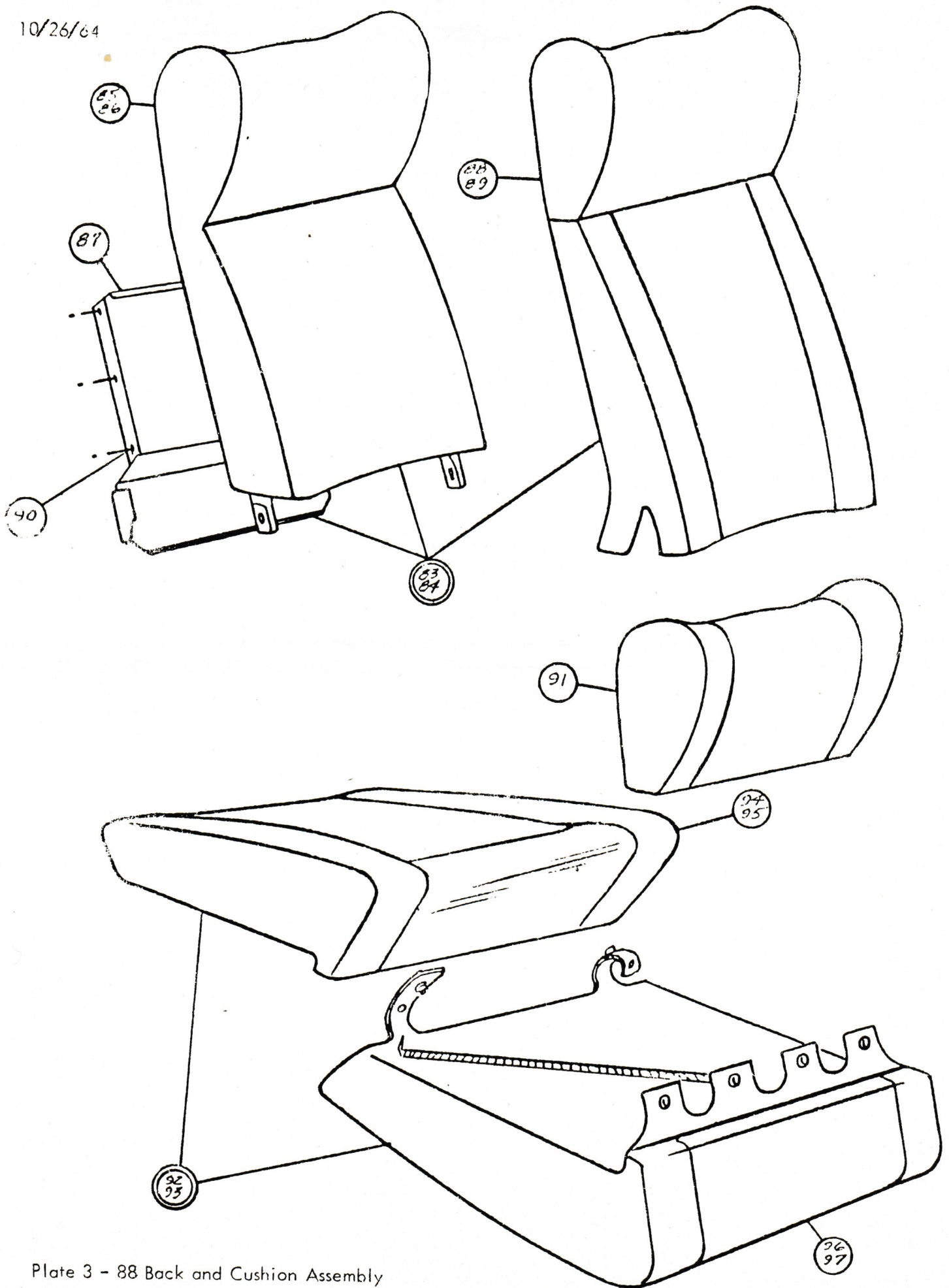


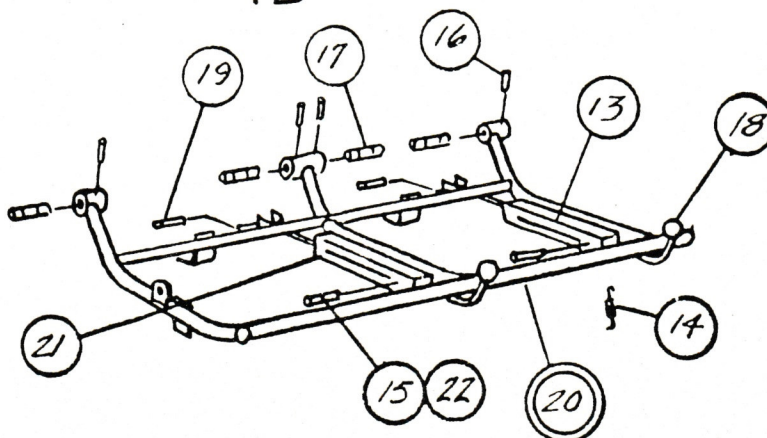
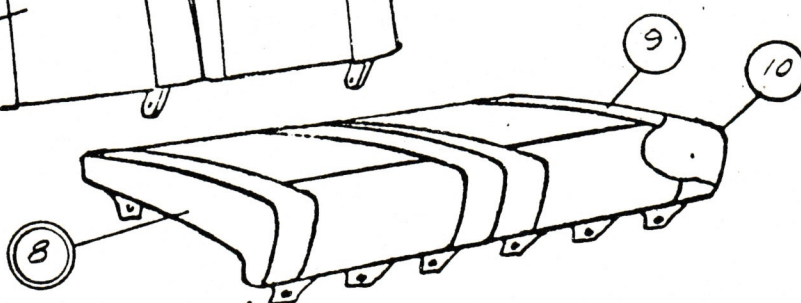
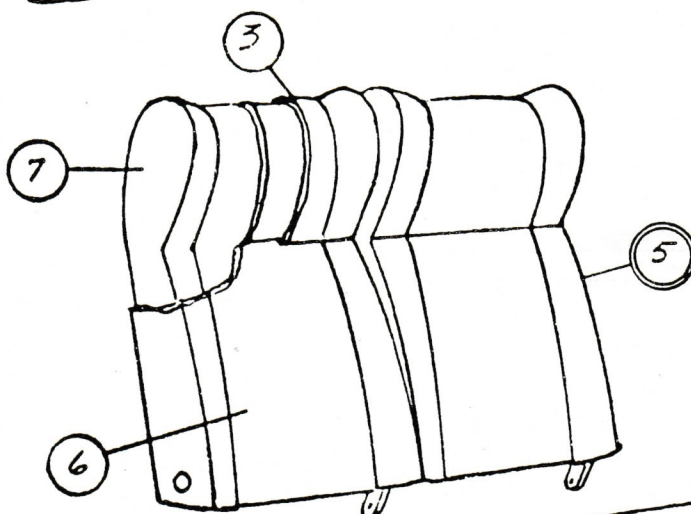
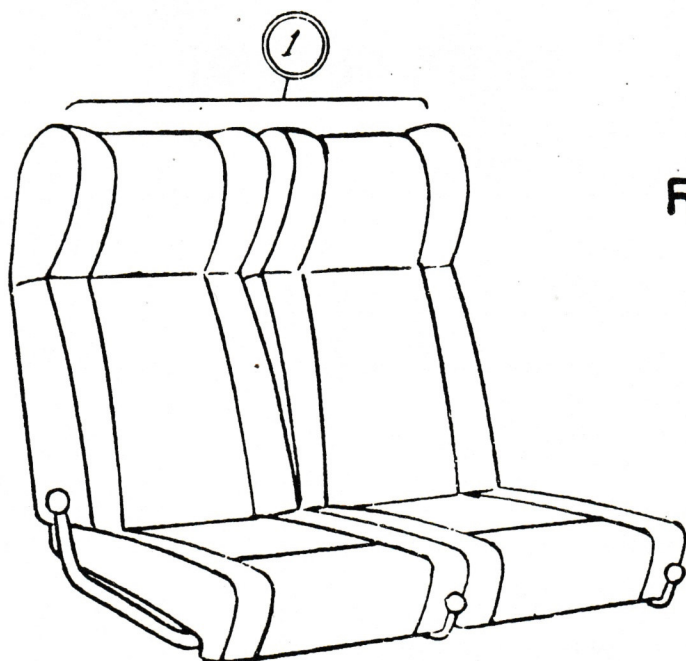
Plate 3 - 88 Back and Cushion Assembly

Challenger**PARTS MANUAL**

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 3-89		<u>REAR CROSS SEAT (2 PASS.)</u> 3.1107	
1	3C-11-249	Seat Assembly - Two Pass. Rear Cross Reclining	1
3	3C-11-244	Cover - Headrest	2
5	3C-11-252	Back Assembly	2
6	3C-11-253	Back Cover	2
7	3C-11-254	Back Assembly - Frame and Polyether	2
8	3C-11-255	Cushion Assembly	2
9	3C-11-256	Cover - Cushion	2
10	3C-11-257	Pad - Cushion	3
13	3C-11-258	Mechanism Assembly - (One Pass. Unit)	1
14	3C-11-259	Spring	2
15	3C-11-260	Pin - Pivot Mechanism Tube	2
16	3C-11-237	Set Screw	6
17	3C-11-261	Pin - Back Bearing Pivot	6
18	3C-11-262	Knob	2
19	3C-11-263	Pin - Seat Rolling	2
20	3C-11-264	Frame and Mechanism Assembly (2 Pass.)	1
21	3C-11-265	Mechanism Assembly	1
22	3C-11-268	Screw	2

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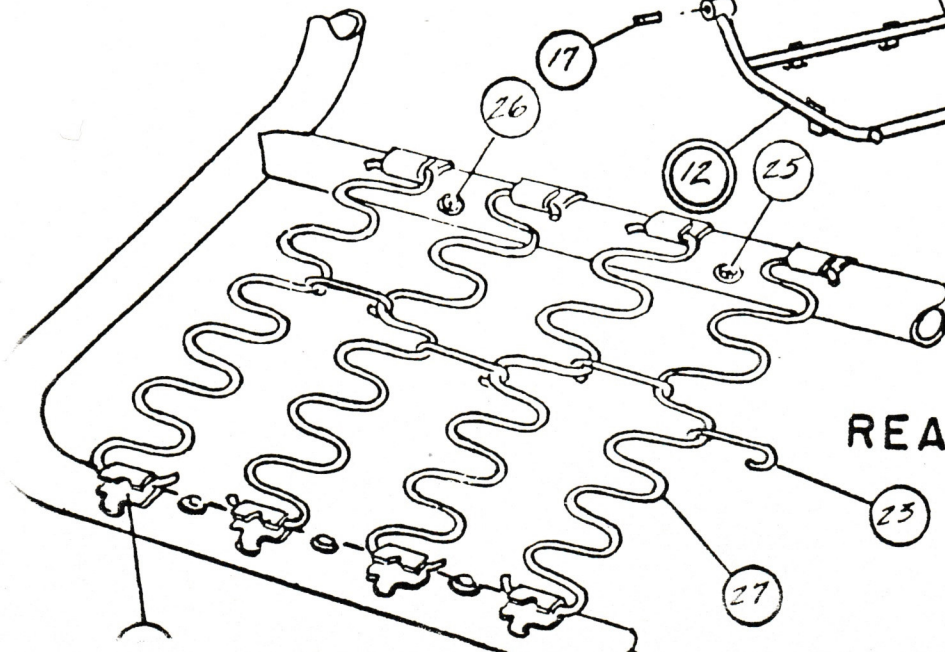
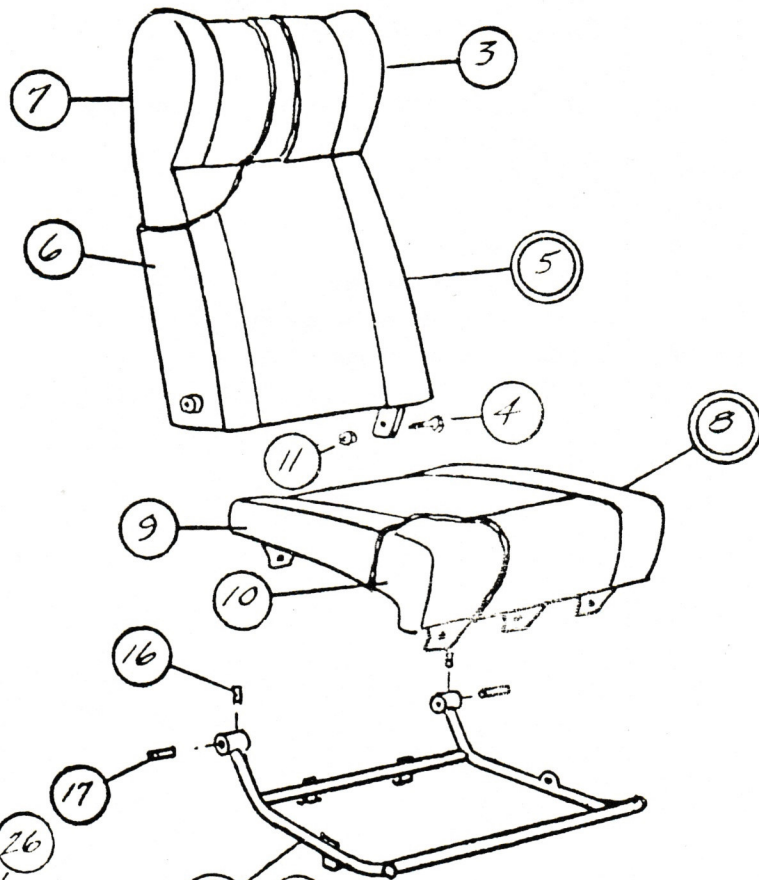
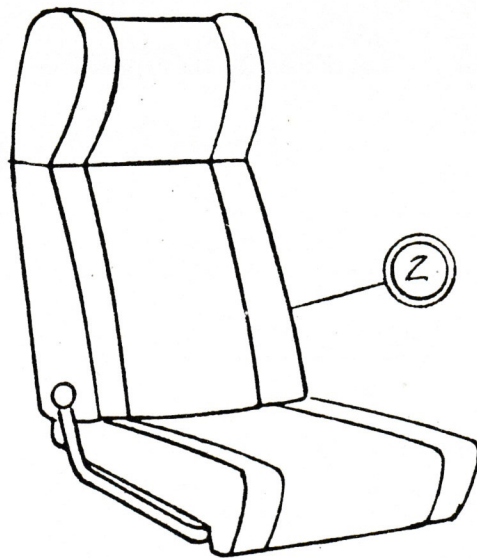
REAR CROSS SEAT TWO PASSENGER RECLINING



Challenger**PARTS MANUAL**

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 3-90		<u>REAR CROSS SEAT (SINGLE PASS.)</u> 3.1108	
2	3C-11-266	Seat Assembly - Single Pass. Rear Cross Reclining	1
3	3C-11-244	Cover - Headrest	1
4	3C-11-267	Cap Screw - Hex. Head	1
5	3C-11-252	Back Assembly	1
6	3C-11-253	Back Cover	1
7	3C-11-254	Back Assembly - Frame and Polyether	1
8	3C-11-255	Cushion Assembly	1
9	3C-11-256	Cover - Seat Cushion	1
10	3C-11-257	Pad - Seat Cushion (Polyether)	1
11	3C-11-269	Nut - Locking	1
12	3C-11-270	Frame Assembly	1
17	3C-11-261	Pin - Back Bearing Pivot	2
		<u>REAR CROSS SEAT SPRING ASSEMBLY</u> 3.1109	
22	3C-11-268	Screw	2
23	3C-11-204	Connecting Link	11
24	3C-11-206	Clip - M.T.	8
25	3C-11-202	Screw Stud	5
26	3C-11-271	Stud	5
27	3C-11-203	Spring - No Sag	4

REAR CROSS SEAT SINGLE PASSENGER



REAR CROSS SEAT

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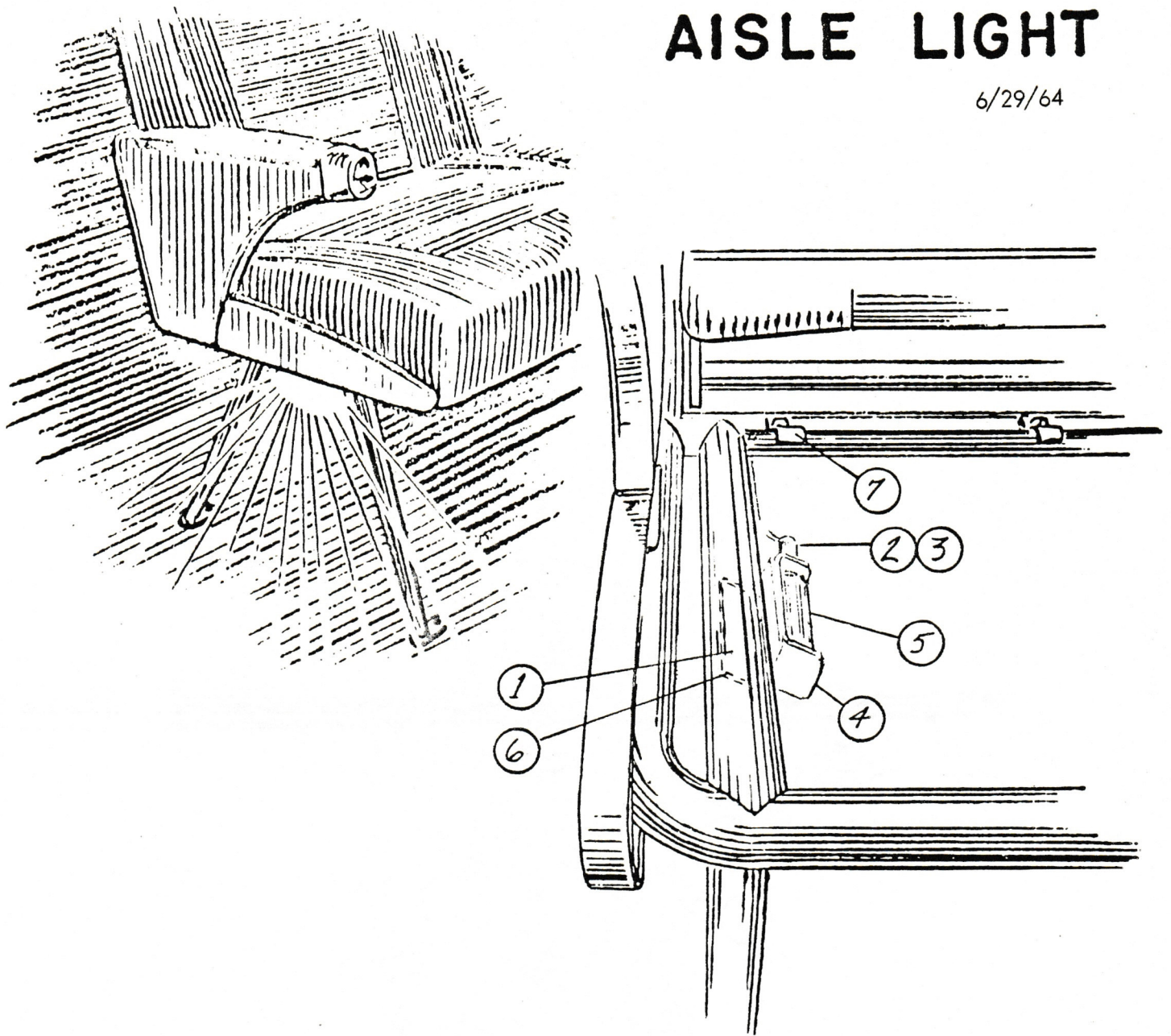
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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 3-91		<u>AISLE LIGHT</u> 3.1110	
1	3C-11-272	Screw - Type B	8
2	3C-11-273	Socket - Aisle Light Assembly	1
3	3C-11-274	Lamp	1
4	3C-11-275	Bracket - Light Shield Mounting	1
5	3C-11-276	Reflector - Light	1
6	3C-11-277	Angle Bracket - Light Mounting	1
7	3C-11-278	Clamp - Wire Holding	4
	3C-11-412	Ash Tray Assembly - American Seating	A.R.
	3C-11-413	Body Only	"
	3C-11-414	Lower Cover	"
	3C-11-415	Upper Cover	"
	3C-11-416	Snuffer	"
	3C-11-417	Pin - Lower Hinge	"
	3C-11-418	Spring - Lower Hinge Pin	"
	3C-11-419	Pin - Upper Hinge	"

AISLE LIGHT

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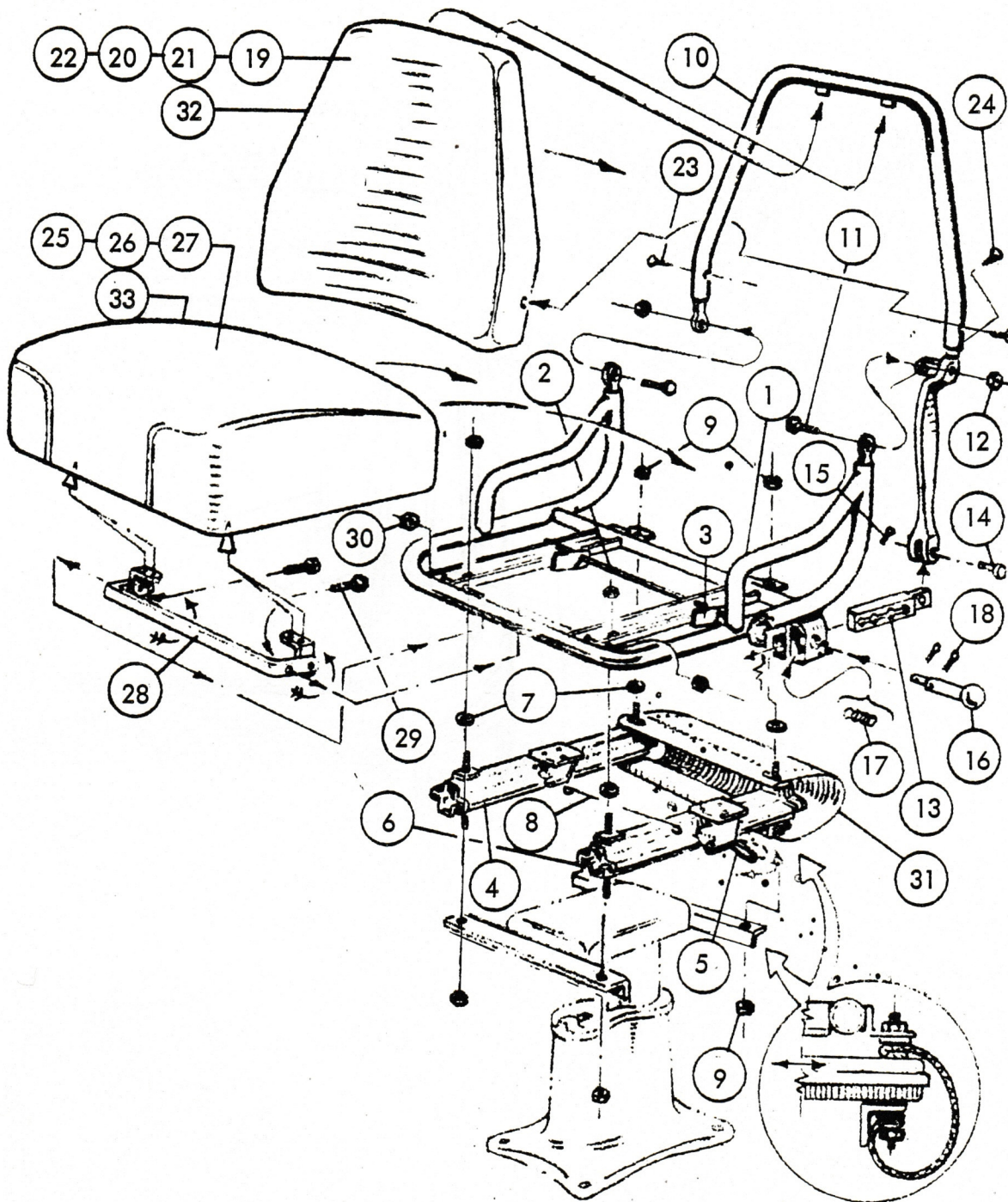


PLATE 3 - 65 - DRIVER'S SEAT & FRAME



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KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 3-65		DRIVER'S SEAT ASSEMBLY (NATIONAL) 3.1201	
	3C-12-2	Driver's Seat Assembly - Complete	1
1	3C-12-3	Lower Frame Assembly	1
2	3C-12-4	Rod and Handle Assembly	1
3	3C-12-5	Cushion Pitch Plate Assembly	2
4	3C-12-6	Track Assembly - R. H.	1
5	3C-12-7	Handle and Latch Assembly	1
6	3C-12-8	Handle Assembly L. H.	1
7	N.P.N.	Washer - 5/16 x 5/32 Plain	4
8	3C-12-9	Tie Rod	1
9	N.P.N.	Stop Nut - Elastic 5/16 - 24	8
10	3C-12-10	Back Frame Assembly	1
11	3C-12-11	Bolt - Bearing	2
12	N.P.N.	Stop Nut - Elastic - 5/16 - 18	2
13	3C-12-12	Link Assembly - Back Adjust	1
14	3C-12-13	Pin - Yoke	1
15	N.P.N.	Pin - 3/32 x 3/4 Cotter	1
16	3C-12-14	Lock Pin Assembly	1
17	3C-12-15	Spring	1
18	N.P.N.	Pin - Cotter	2
19	3C-12-16	Upholstered Back Assembly	1
20	3C-12-17	Back - Rubber	1
21	3C-12-18	Back - Metal	1
22	3C-12-19	Back - Wood	1
23	N.P.N.	Screw - #12 x 2 1/2 O.H. Ph. Rec. Wood	2
24	N.P.N.	Screw - #8 x 1" Ph. Rec. P.K.	1
25	3C-12-20	Upholstered Cushion Assembly	1
26	3C-12-21	Cushion - Rubber	1
27	3C-12-22	Cushion Base Assembly	1
28	3C-12-23	Bracket Assembly - Front	1
29	N.P.N.	Screw - 1/4 x 2 1/4 Hex. Hd. Machine	2
30	N.P.N.	Stop Nut - Elastic - 1/4 - 20	2
31	3C-12-24	Flap - Protective	1
32	3C-12-25	Back Cover Assembly	1
33	3C-12-26	Cushion Cover Assembly	1

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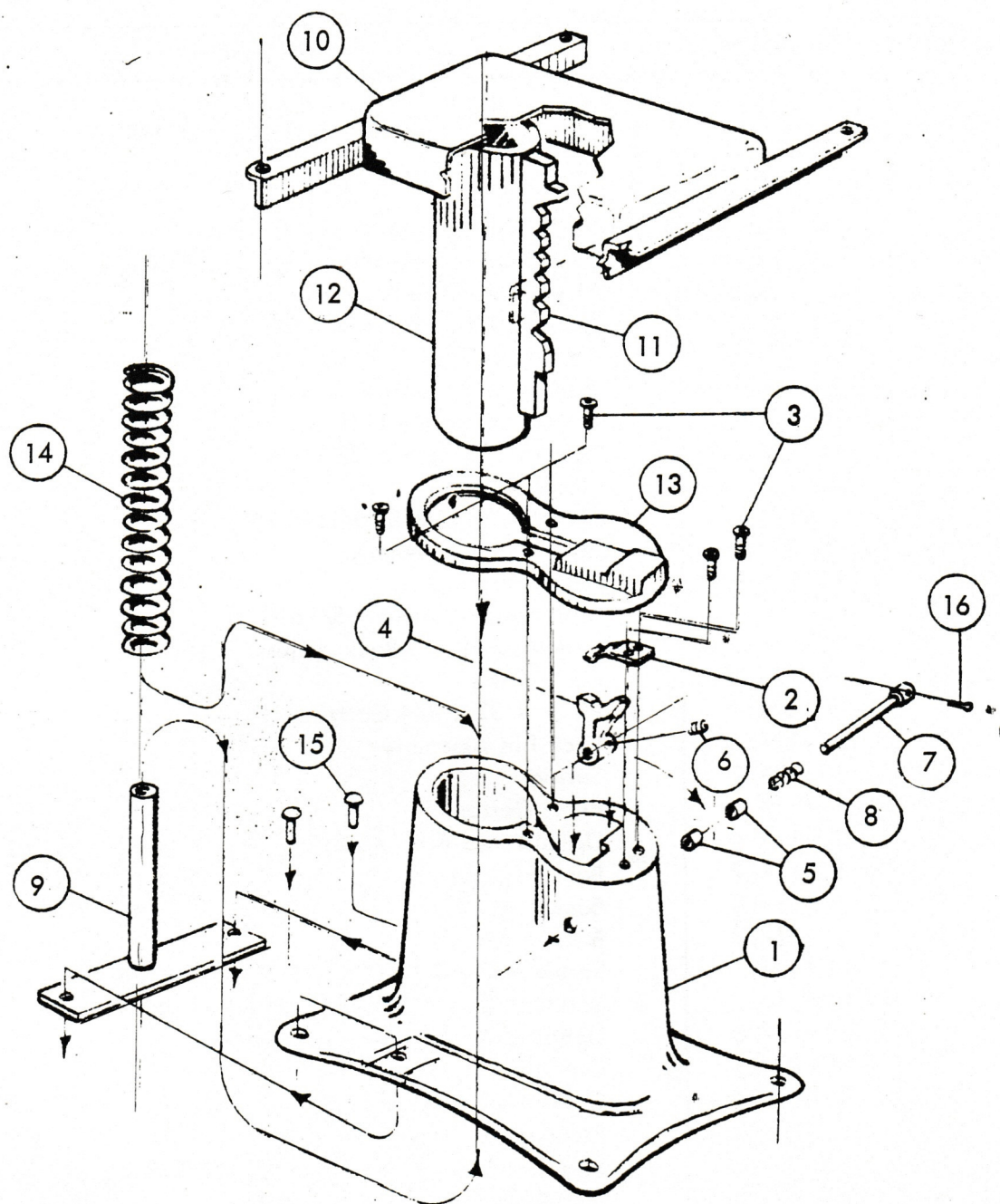


PLATE 3 - 66 - PEDESTAL - DRIVER'S SEAT



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KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 3-66		PEDESTAL ASSEMBLY (NATIONAL) 3.1202	
	3C-12-27	Pedestal Assembly - Includes following parts:	1
1	3C-12-28	Base - Casting	1
2	3C-12-29	Pawl Spring - Flat	1
3	N.P.N.	Screw - #8 x 3/8 R.H. Ph. Rec. P. K.	4
4	3C-12-30	Pawl	1
5	3C-12-31	Bushing	2
6	N.P.N.	Screw - 1/4 x 3/8 Cup Pt. Set	1
7	3C-12-32	Pin - Pawl	1
8	3C-12-33	Pawl Spring - Coil	1
9	3C-12-34	Spring Guide Assembly	1
10	3C-12-35	Seat Support Assembly	1
11	3C-12-36	Elevating Rack	1
12	3C-12-37	Pedestal Tube	1
13	3C-12-38	Pedestal Cover	1
14	3C-12-39	Spring - Counterbalance	1
15	N.P.N.	Rivet - 3/16 x 1/2 W.B. Hd.	2
16	N.P.N.	Pin - 3/32 x 1" Cotter	1
	3C-12-1	Spacer - Driver's Seat Base	1

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KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 3 - 93		<u>DRIVER'S SEAT ASSEMBLY</u> 3.1203 (AMERICAN)	
	3C-12-49	Driver's Seat Assembly	1
1	3C-12-50	Tubular Back Assembly - L.H.	1
2	3C-12-51	Back Pad Assembly	1
3	3C-12-52	Cover - Back Pad	1
4	3C-12-53	Handle Cushion Lift	1
5	3C-12-54	Screws	2
6	3C-12-55	Cushion Assembly	1
7	3C-12-56	Cover - Seat Cushion	1
8	3C-12-57	Screw	2
9	3C-12-54	Screw	2
10	3C-12-58	Washers	4
11	3C-12-59	Screws	4
12	3C-12-60	Cushion Tilt Bracket	1
13	3C-12-61	Screws	4
14	3C-12-62	Striker Plate	2
15	3C-12-63	Washer	1
16	3C-12-64	Spring	1
17	3C-12-65	Pin - Back Adj. Plunger	1
18	3C-12-66	Ball, Plastic	1
19	3C-12-67	Cotter Pin	1
20	3C-12-68	Screws	4
21	3C-12-69	Metal Back Panel	1
22	3C-12-70	Screws	4
23	3C-12-71	Lock Washer	4
24	3C-12-72	Nut	2
25	3C-12-73	End Pivot Pin	2
26	3C-12-74	Pin	2
27	3C-12-75	Spring	2
28	3C-12-76	Screw	8
29	3C-12-77	Clamp - Seat Guide	4
30	3C-12-78	Roll Pin	2
31	3C-12-79	Seat Ring Tube - L.H.	1
32	3C-12-80	Bearing - Fiber	4
33	3C-12-81	Slide Tube & Top Plate Assembly	1
34	3C-12-82	Nut	8

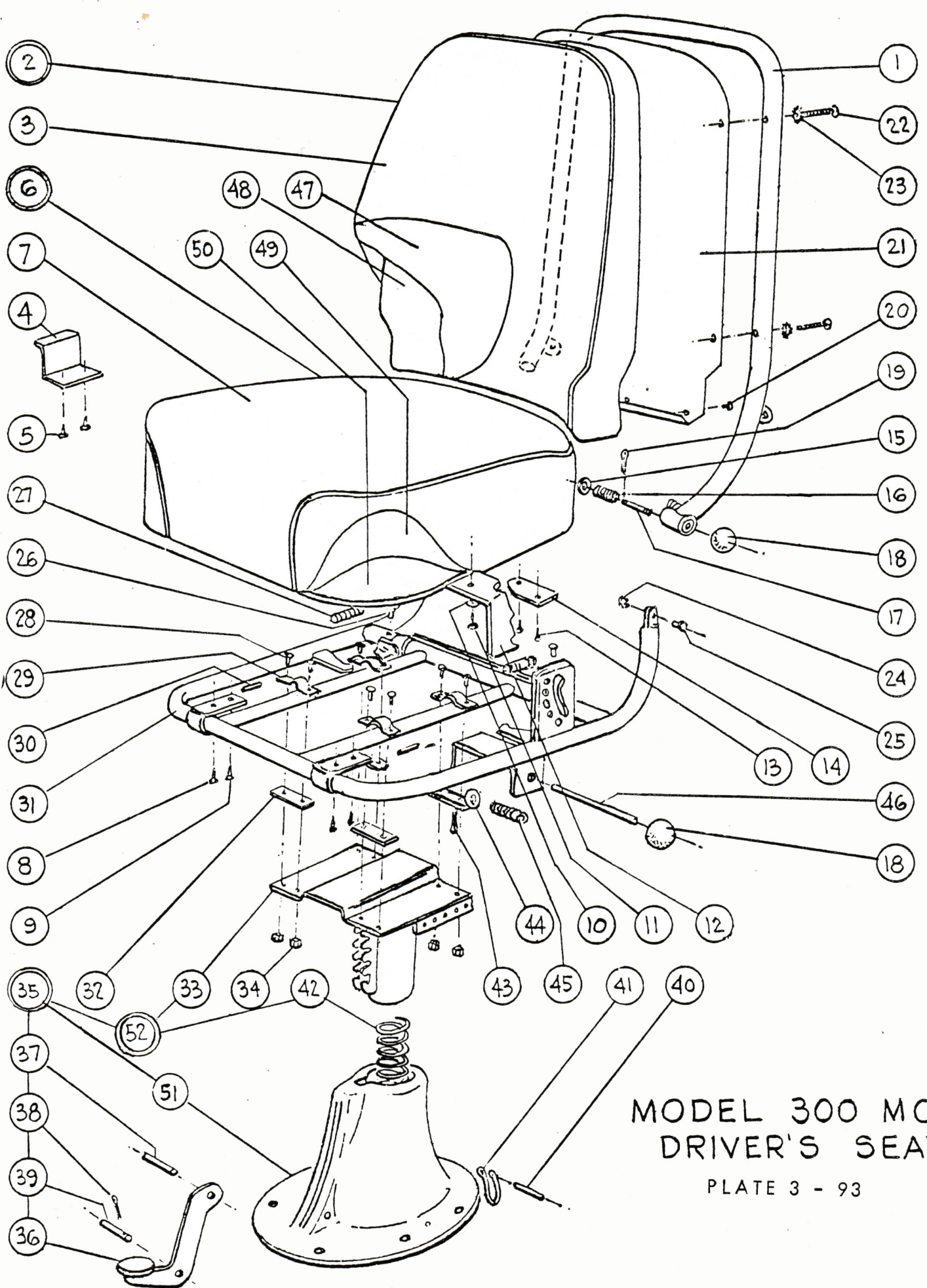


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KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 3-93		<u>DRIVER'S SEAT ASSEMBLY, (CONT'D.)</u> 3.1204 (AMERICAN)	
35	3C-12-83	Pedestal Assembly	1
36	3C-12-84	Foot Pedal Lever Assembly	1
37	3C-12-85	Pin - Rack Latch	1
38	3C-12-86	Cotter Pin	1
39	3C-12-87	Foot Pedal Pin	1
40	3C-12-88	Pin - Spring	1
41	3C-12-89	Spring	1
42	3C-12-90	Compression Spring	1
43	3C-12-67	Cotter Pin	1
44	3C-12-91	Washer	1
45	3C-12-92	Spring	1
46	3C-12-93	Pin - Horiz. Adj. Plunger	1
47	3C-12-94	Inaire Back Pad	1
48	3C-12-95	Wood Back Panel	1
49	3C-12-96	Rubber Unit	1
50	3C-12-97	Seat Board	1
51	3C-12-98	Pedestal	1
52	3C-12-99	Pedestal & Top Plate Assembly - L.H.	1



MODEL 300 MCI DRIVER'S SEAT

PLATE 3 - 93

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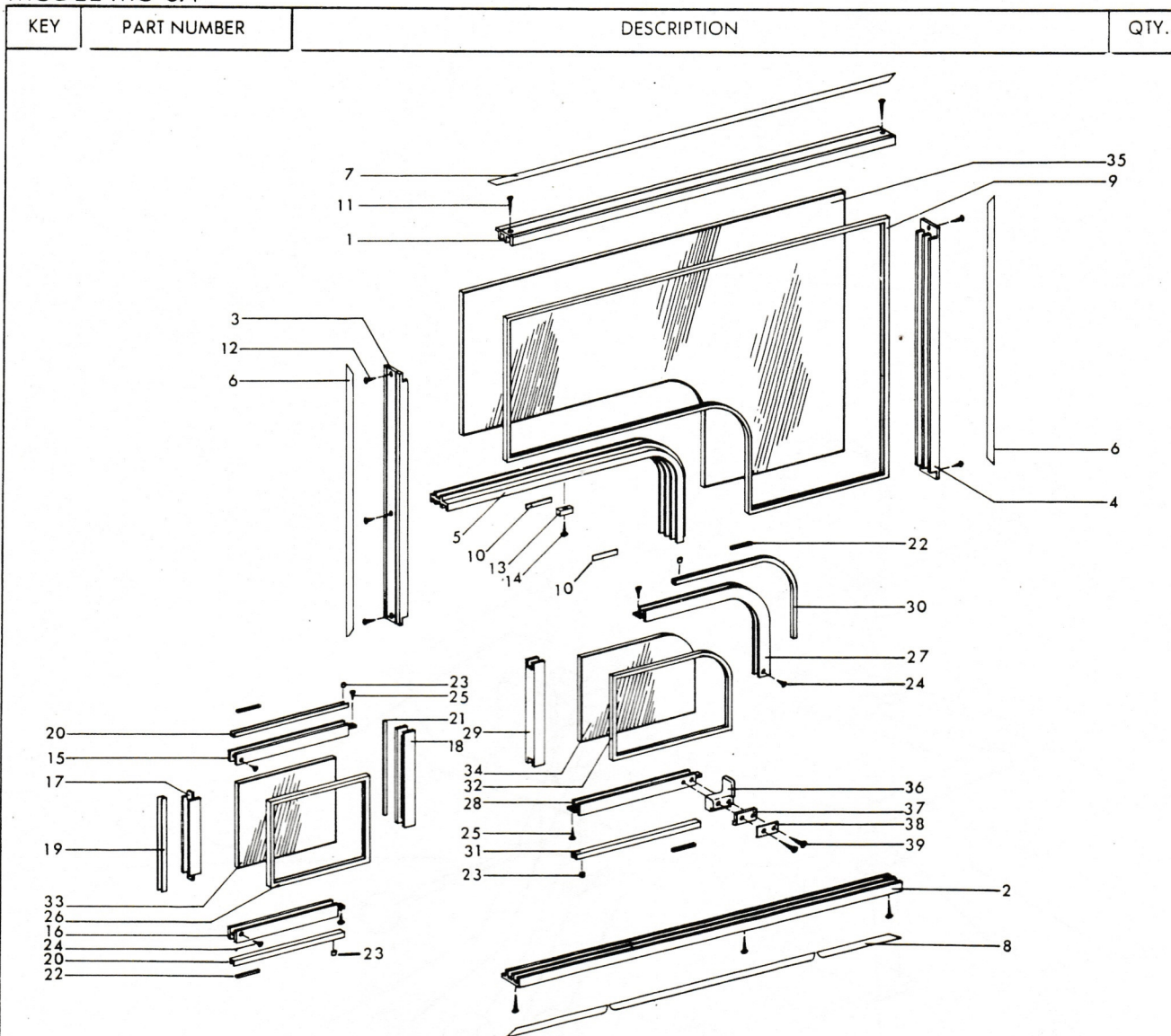


PLATE 3 - 176: DRIVER'S WINDOW ASSEMBLY

Plate	DRIVER'S WINDOW ASSEMBLY		3.1401
3-176	(Single Glazed)		
	3F-14-14	Driver's Sash Assembly - Complete	1
	3F-14-15	Sash - Front Sliding	1
	3F-14-16	Sash - Rear Sliding	1
1	3C-14-44	Rail - Top Frame	1
2	3C-14-45	Rail - Bottom Frame	1
3	3C-14-88	Rail - Rear Side Frame	1
4	3C-14-47	Rail - Front Side Frame	1
5	3C-14-48	Rail - Curved	1
6	3C-14-10	Rubber Seal - Sides	2



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KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 3-176		<u>DRIVER'S WINDOW ASSEMBLY (Cont'd)</u> 3.1402	
7	3C-14-49	Rubber Seal - Top	1
8	3C-14-50	Rubber Seal - Bottom	1
9	3F-14-1	Glazing Rubber - Top	1
	3F-14-2	Glazing Rubber - Short, Side	1
	3F-14-3	Glazing Rubber - Long, Side	1
	3F-14-4	Glazing Rubber - Curved, Bottom	1
	3F-14-5	Glazing Rubber - Straight, Bottom	1
10	3C-14-52	Felt - Top & Bottom, 25/32 x 7/8 x 1/4	2
11	3C-14-14	Screw - #8 - 32 x 1 1/4" Ph. Oval Hd. Stn. Stl.	8
12	3C-14-15	Screw - #8 - 32 x 7/8", Ph. Oval Hd. Stn. Stl.	8
13	3C-14-53	Stop - Sash	1
14	3C-14-54	Screw - #8 - 32 x 3/4 Ph. Oval Hd. Stn. Stl.	1
15	3C-14-55	Rail - Top	1
16	3C-14-56	Rail - Bottom	1
17	3C-14-57	Rail - Side	1
18	3C-14-58	Rail - Side	1
19	3C-14-59	Weatherstrip - Side	1
20	3C-14-60	Weatherstrip - Top & Bottom	1
21	3C-14-61	Weatherstrip	1
22	3C-14-26	Wear Plate - Nylon	4
23	3C-14-27	Wear Plate - Nylon	4
24	3C-14-23	Screw - #8 - 32 Ph. Tr. Hd. Stn. Stl.	6
25	3C-14-64	Screw - #10 - 24 x 5/8 Fl. Hd. Stn. Stl.	4
26	3F-14-6	Glazing Rubber - Top & Bottom	2
	3F-14-7	Glazing Rubber - Sides	2
27	3C-14-66	Rail - Curved, Top	1
28	3C-14-67	Rail - Bottom	1
29	3C-14-68	Rail - Side	1
30	3C-14-70	Weatherstrip - Curved	1
31	3C-14-71	Weatherstrip - Bottom	1
32	3F-14-8	Glazing Rubber - Top	1
	3F-14-9	Glazing Rubber - Bottom	1
	3F-14-7	Glazing Rubber - Side	1
33	3F-14-11	Glass	1
34	3F-14-12	Glass	1
35	3F-14-13	Glass	1
36	3C-14-78	Block	1
37	3C-14-79	Plate	1
38	3C-14-80	Cover	1
39	3C-14-81	Screw - #8 - 32 x 1 1/4 Ph. Tr. Hd. Stn. Stl.	2

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KEY	PART NUMBER	DESCRIPTION	QTY.
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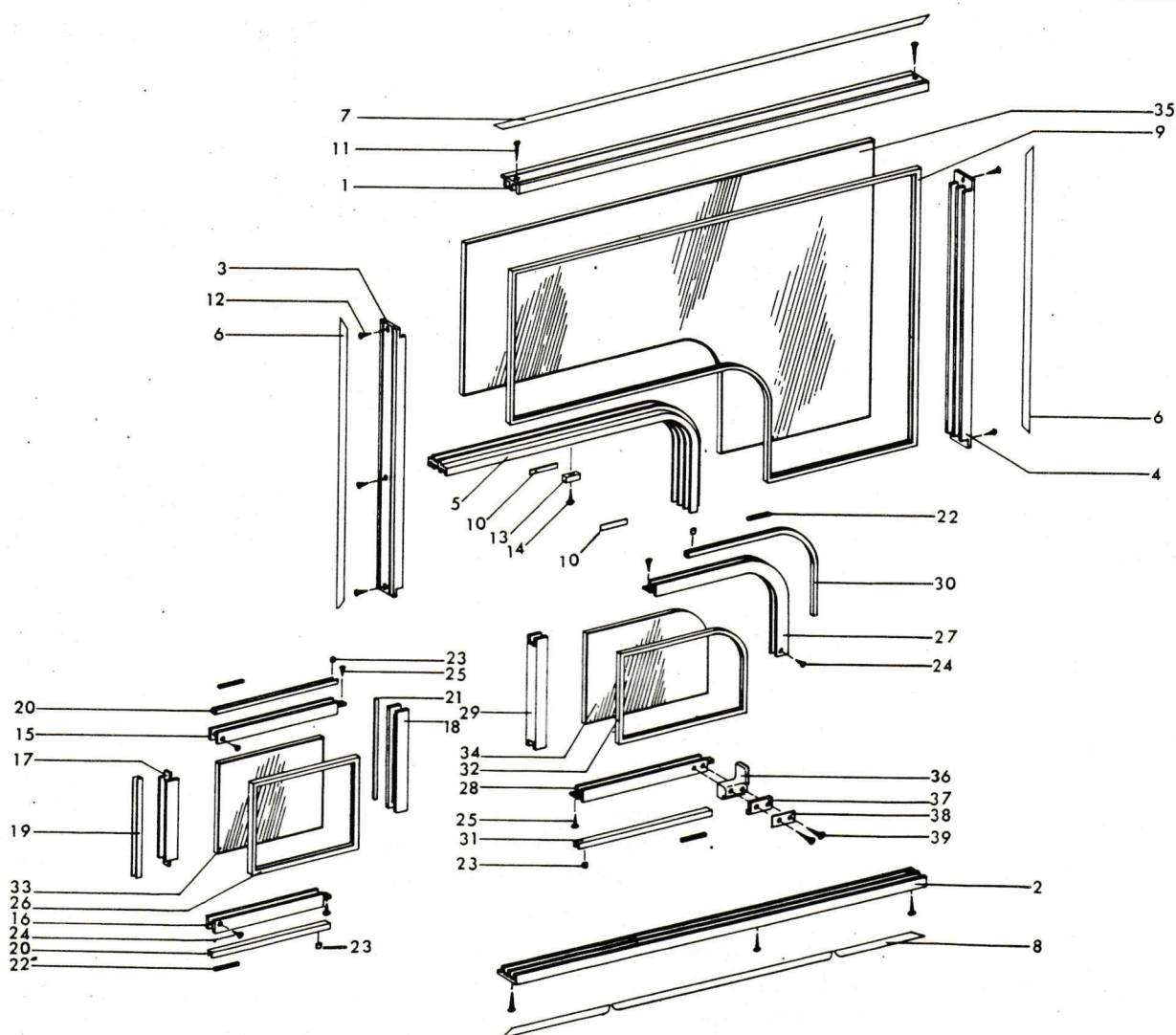


PLATE 3 - 85: DRIVER'S WINDOW

Plate	DRIVER'S WINDOW ASSEMBLY		3.1403
3-85	(Double Glazed)		
	3C-14-85	Driver's Sash Assembly - Complete	1
	3C-14-86	Sash Unit - Front Sliding	1
	3C-14-87	Sash Unit - Rear Stationary	1
1	3C-14-44	Rail - Top Frame - #2990	1
2	3C-14-45	Rail - Bottom Frame - #2990	1
3	3C-14-88	Rail - Rear Side Frame - #2990	1
4	3C-14-47	Rail - Front Side Frame - #2990	1
5	3C-14-48	Rail - Curved Frame	1
6	3C-14-10	Seal - Rubber - At Sides - #R-594	2
7	3C-14-49	Seal - Rubber - At top - #R-594	1



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MODEL MC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 3-85		<u>DRIVER'S WINDOW ASSEMBLY (Cont'd)</u> 3.1404	
8	3C-14-50	Seal - Rubber - At bottom - #R-594	1
9	3C-14-82	Glazing Rubber - #R-605	1
10	3C-14-52	Felt - Top & Bottom	2
11	3C-14-14	Screw - # 8 - 32 x 1 1/4" Phillips Oval Head S.S.	8
12	3C-14-15	Screw - # 8 - 32 x 7/8" Phillips Oval Head S.S.	8
13	3C-14-53	Sash Stop	1
14	3C-14-54	Screw # 8 - 32 x 3/4" Phillips Oval Head S.S.	1
15	3C-14-55	Rail - Top - # 2997	1
16	3C-14-56	Rail - Bottom - # 2988	1
17	3C-14-57	Rail - Side - # 2988	1
18	3C-14-58	Rail - Side - # 2989	1
19	3C-14-59	Weatherstrip - At side - # C-24	1
20	3C-14-60	Weatherstrip - At top & bottom - # C-24	1
21	3C-14-61	Weatherstrip - # N-107	1
22	3C-14-26	Wear Plate - Nylon	4
23	3C-14-27	Wear Shoe - Nylon	4
24	3C-14-23	Screw - # 8 - 32 x 3/8" Phillips Truss Head S.S.	6
25	3C-14-64	Screw - # 10 - 24 x 5/8" Flat Head S.S.	4
26	3C-14-84	Glazing Rubber - #R - 595	1
27	3C-14-66	Rail - Top Curved - # 2997	1
28	3C-14-67	Rail Bottom - # 2988	1
29	3C-14-68	Rail - Side - # 2987	1
30	3C-14-70	Weatherstrip - Curved - # C-24	1
31	3C-14-71	Weatherstrip - Bottom	1
32	3C-14-83	Glazing Rubber - # 595	1
33	3C-14-73	Glass Unit - # BM - 4870	1
34	3C-14-74	Glass Unit - # BM - 4867	1
35	3C-14-75	Glass Unit - # BM - 4864	1
36	3C-14-78	Block	1
37	3C-14-79	Plate	1
38	3C-14-80	Cover	1
39	3C-14-81	Screw - # 8 - 32 x 1 1/4" Phillips Truss Head S.S.	2

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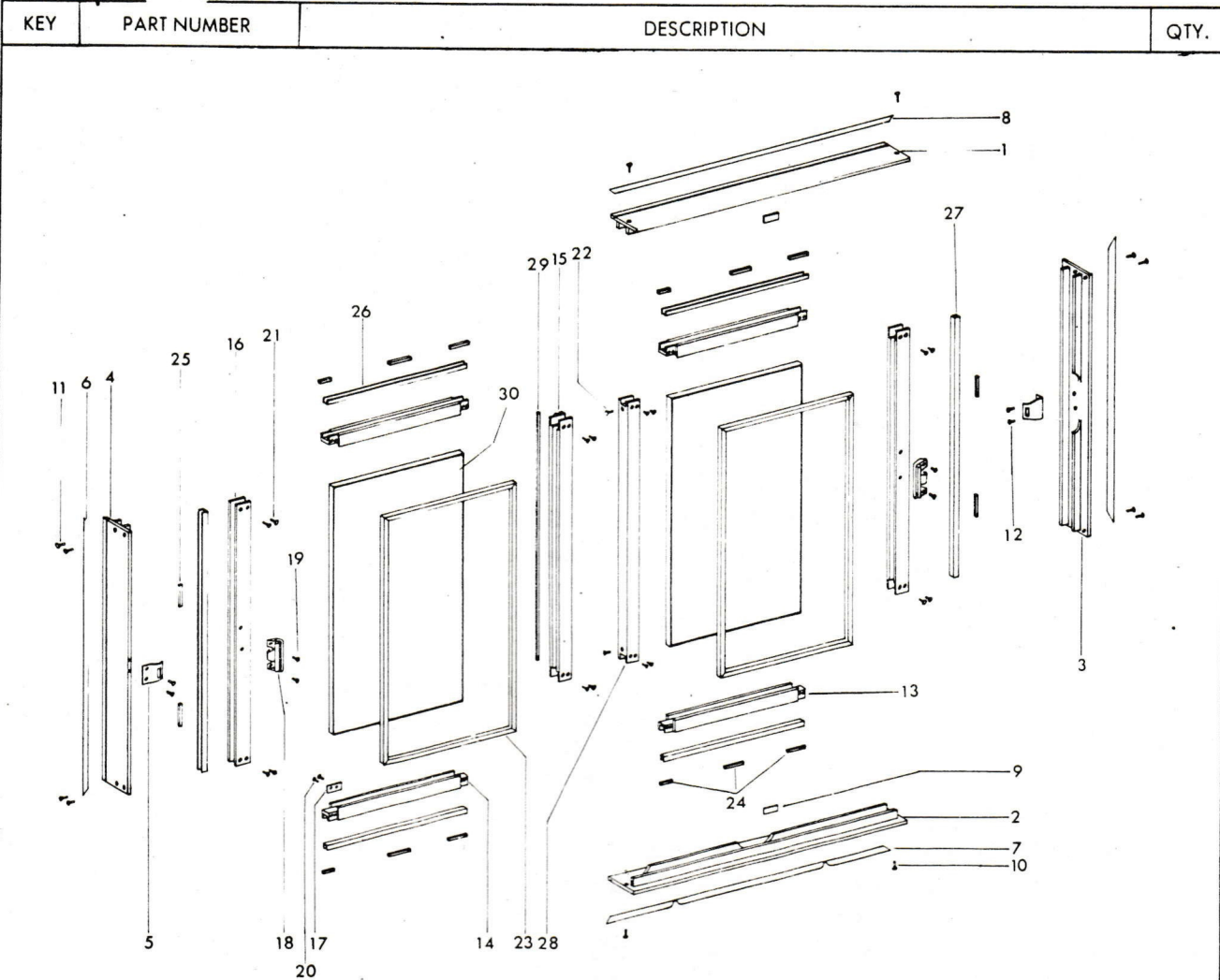


PLATE 3-123: DRIVER'S WINDOW ASSEMBLY

Plate	DRIVER'S WINDOW ASSEMBLY		3.1405
3-123	(Double Glazed)		
	3C-14-1	Driver's Sash Assembly - Complete	1
	3C-14-2	Complete Frame Assembly - Driver's Window	1
	3C-14-3	Sash - Rear Sliding	1
	3C-14-4	Sash - Front Sliding	1
1	3C-14-5	Rail - # 2990 Top Frame - 30 - 3/8" Long	1
2	3C-14-6	Rail - # 2990 Bottom Frame - 30 - 3/8" Long	1
3	3C-14-7	Rail - # 2990 Side Frame - 28 - 5/8" Long	1
4	3C-14-8	Rail - # 2991 Side Frame 28 - 5/8" Long	1
5	3C-14-9	Keepers	2
6	3C-14-10	Seal - R-594 Rubber at Sides	2
7	3C-14-11	Seal - R-594 Rubber at Bottom	1
8	3C-14-12	Seal - R-594 Rubber at Top	1
9	3C-14-13	Felt - 25/32" x 7/8" x 1/4" Top and Bottom	2
10	3C-14-14	Screw - # 8 - 32 x 1 1/4 Ph. Oval Hd. Stain. Steel Machine	6



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KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 3-123		<u>DRIVER'S WINDOW ASSEMBLY (Cont'd)</u> 3.1406	
11	3C-14-15	Screw - # 8 - 32 x 7/8 Ph. Oval Hd. Stain. Steel Machine	8
12	3C-27-43	Screw - # 6 - 32 x 1/4 Ph. Bind. Hd. Stain. Steel Machine	4
13	3C-14-16	Rail - # 2988 Top and Bottom	3
14	3C-14-17	Rail - # 2988 Bottom	1
15	3C-14-18	Rail - # 2989 Side	1
16	3C-14-19	Rail - # 2988 Side	2
17	3C-14-20	Stop - Sash	1
18	3C-14-21	Sash Lock - # 1889	2
19	3C-27-64	Screw - # 8 x 3/8 Ph. Bind. Hd. Stain. Steel Machine	4
20	3C-14-22	Screw - # 10 - 24 x 1" Ph. Tr. Hd. Stain. Steel Machine	2
21	3C-14-23	Screw - # 8 - 32 x 3/8 Ph. Tr. Hd. Stain. Steel Machine	16
22	3C-14-24	Screw - # 10 - 24 - 7/8 Ph. Fl. Hd. Stain. Steel Machine	4
23	3C-14-25	Glazing Rubber - R-595	2
24	3C-14-26	Wear Plate - Nylon	12
25	3C-14-27	Wear Shoe - Nylon	4
26	3C-14-29	Weatherstrip - General Tire - Top and Bottom	4
27	3C-14-30	Weatherstrip - General Tire - Sides	2
	3C-14-31	Pins - Alignment	8
28	3C-14-32	Rail - # 2987 Side	1
29	3C-14-33	Weatherstrip - N-107	1
30	3C-27-140	Glass Unit	2

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MODEL MC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.

PLATE 3 - 123: DRIVER'S WINDOW ASSEMBLY

Plate	DRIVER'S WINDOW ASSEMBLY (Single Glazed)		3.1407
3-123			
	3C-14-89	Driver's Sash Assembly - Complete	1
	3C-14-2	Complete Frame Assembly - Driver's Window	1
	3C-14-90	Sash - Rear Sliding	1
	3C-14-91	Sash - Front Sliding	1
1	3C-14-5	Rail - #2990 Top Frame - 30 - 3/8" Long	1
2	3C-14-6	Rail - #2990 Bottom Frame - 30 - 3/8" Long	1
3	3C-14-7	Rail - #2990 Side Frame - 28 - 5/8" Long	1
4	3C-14-8	Rail - #2991 Side Frame 28 - 5/8" Long	1
5	3C-14-9	Keepers	2
6	3C-14-10	Seal - R-594 Rubber at Sides	2
7	3C-14-11	Seal - R-594 Rubber at Bottom	1
8	3C-14-12	Seal - R-594 Rubber at Top	1
9	3C-14-13	Felt - 25/32" x 7/8" x 1/4" Top and Bottom	2
10	3C-14-14	Screw - #8 - 32 x 1 1/4 Ph. Oval Hd. Stn. Stl. Machine	6



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KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 3-123		<u>DRIVER'S WINDOW ASSEMBLY (Cont'd)</u>	3.1408
11	3C-14-15	Screw - #8 - 32 x 7/8 Ph. Oval Hd. Stn. Stl. Machine	8
12	3C-14-92	Screw - #6 - 32 x 1/4 Ph. Bind. Hd. Stn. Stl. Machine	4
13	3C-14-16	Rail - #2988 Top and Bottom	3
14	3C-14-17	Rail - #2988 Bottom	1
15	3C-14-18	Rail - #2989 Side	1
16	3C-14-19	Rail - #2988 Side	2
17	3C-14-20	Stop - Sash	1
18	3C-14-21	Sash Lock - #1889	2
19	3C-27-64	Screw - #8 x 3/8 Ph. Bind. Hd. Stn. Stl. Machine	4
20	3C-14-22	Screw - #10 - 24 x 1" Ph. Tr. Hd. Stn. Stl. Machine	2
21	3C-14-23	Screw - #8 - 32 x 3/8 Ph. Tr. Hd. Stn. Stl. Machine	16
22	3C-14-24	Screw - #10 - 24 - 7/8 Ph. Fl. Hd. Stn. Stl. Machine	4
23	3C-14-93	Glazing Rubber - R-595	2
24	3C-14-26	Wear Plate - Nylon	10
25	3C-14-27	Wear Shoe - Nylon	4
26	3C-14-29	Weatherstrip - General Tire - Top and Bottom	4
27	3C-14-30	Weatherstrip - General Tire - Sides	2
	3C-14-31	Pins - Alignment	8
28	3C-14-32	Rail - #2987 Side	1
29	3C-14-33	Weatherstrip - N-107	1
30	3C-14-94	Glass Unit	2
	3C-14-76	Seal - Front Vertical Frame	1

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KEY	PART NUMBER	DESCRIPTION	QTY.
o * **		(Optional) (Effective Prior to Coach Unit No. 5401) (Effective Coach Unit #5401)	
		<u>MISCELLANEOUS INTERIOR</u> 3.1501	
		<u>NAMEPLATES</u>	
	3B-15-10	Nameplate - Diesel Fuel Capacity Plate (120 Imp. Gal & 144 U.S. Gal.)	1
	3B-15-14	Nameplate - Entrance Door Overrule	1
	3B-15-16	Nameplate - Windshield Wipers	1
	3B-15-21	Nameplate - Driver's Heater Air (Fresh Recirculating)	1
	3B-15-15	Nameplate - Check - Trans. - Fill	1
	3B-15-20	Nameplate - Rear Center Window (Do not open - Emergency Only)	1
	3A-15-63	Nameplate - Emergency Exit	1
	3A-15-2	Nameplate - Passenger Signal Cord	20
	3C-15-30	Nameplate - Trans. Check and Fill	1
**	3C-15-22	Nameplate - Serial No. Body	2
	3C-15-19	Nameplate - Fire Axe Location	1
	3C-15-57	Nameplate - Entrance Door Air Lock	1
	3C-15-58	Nameplate - Emergency Equipment	1
	3C-1-53	Nameplate - Parking Brake Instruction	1
	3C-15-62	Nameplate - Lube Points - Tool Compartment	1
	3A-15-21	Instruction Plate - Side Window Exit	16
	3C-15-7	Instruction Plate - Alternator Belt Tension Adjustment	1
	3C-15-31	Instruction Plate - Open Cock to Release Pressure for Radiator Level Check	1
	3C-1-53	Instruction Plate - Parking Brake Application	1
	3C-15-14	Instruction Plate - Adjusting A/C Drive Pulley	1
	3C-15-15	Instruction Plate - Removal of Condenser Motor	1
	3C-15-21	Instruction Plate - Removal of Alternator Belts	1
	3C-15-99	Nameplate - Park Brake Tank Auxiliary Fill	1
o	3C-15-82	Nameplate - Fleet No. Mtg. on Interior of Entrance Door	1
**	3C-15-75	Nameplate - Serial Number - Canadian	1
*	3C-15-88	Nameplate - Serial Number - Canadian	1
*	3C-15-54	Nameplate - Serial Number - U.S.A.	1
**	3C-15-89	Nameplate - Serial Number - U.S.A.	1
*	3C-15-5	Nameplate - Serial Number in Blower Compartment - Canadian	1
**	3C-15-94	Nameplate - Serial Number in Blower Compartment - Canadian	1
*	3C-15-22	Nameplate - Serial Number in Blower Compartment - U.S.A.	1
**	3C-15-95	Nameplate - Serial Number in Blower Compartment - U.S.A.	1
	3C-15-96	Panel - Decals Mounting - Large	1
	3C-15-97	Panel - Decals Mounting - Medium	1
	3C-15-98	Panel - Decals Mounting - Small	1



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KEY	PART NUMBER	DESCRIPTION	QTY.
o **		(Optional) (Effective With Coach Unit #5467) 3.1502	
o	3C-15-101	Nameplate - Seat Marker W-1, A-2	1
o	3C-15-102	Nameplate - Seat Marker A-3, W-4	1
o	3C-15-103	Nameplate - Seat Marker W-5, A-6	1
o	3C-15-104	Nameplate - Seat Marker A-7, W-8	1
o	3C-15-105	Nameplate - Seat Marker W-9, A-10	1
o	3C-15-106	Nameplate - Seat Marker A-11, W-12	1
o	3C-15-107	Nameplate - Seat Marker W-13, A-14	1
o	3C-15-108	Nameplate - Seat Marker A-15, W-16	1
o	3C-15-109	Nameplate - Seat Marker W-17, A-18	1
o	3C-15-110	Nameplate - Seat Marker A-19, W-20	1
o	3C-15-111	Nameplate - Seat Marker W-21, A-22	1
o	3C-15-112	Nameplate - Seat Marker A-23, W-24	1
o	3C-15-113	Nameplate - Seat Marker W-25, A-26	1
o	3C-15-114	Nameplate - Seat Marker A-27, W-28	1
o	3C-15-115	Nameplate - Seat Marker W-29, A-30	1
o	3C-15-116	Nameplate - Seat Marker A-31, W-32	1
o	3C-15-117	Nameplate - Seat Marker W-33, A-34	1
o	3C-15-118	Nameplate - Seat Marker A-35, W-36	1
o	3C-15-119	Nameplate - Seat Marker W-37, A-38	1
o	3C-15-121	Nameplate - Center-Aisle - Seat Marker 39	1
**	3C-15-124	Panel - Front Decal Mounting 8" x 41"	1
**	N.P.N.	Pop Rivet - Tap - D - BS 429 Front Panel Mounting	1
**	3C-15-126	Nameplate - Washroom Location	1
**	N.P.N.	Screw - #4 x 1/2 Rd. Hd. Type A - Nameplate Mounting	4
**	3C-15-127	Nameplate - Washroom Key Location	1
**	N.P.N.	Pop Rivet - Tap - D - BS 429	2
NOTE: (For other Instruction & Nameplates See Groups 3.01, 3.33, 7.08, 7.13 and 17.01)			
FIRE EXTINGUISHER, FIRE AXE, FIRST AID & MOUNTINGS Etc.			
	3A-15-66	Fire Extinguisher - Type B-20 lb. Dugas	1
	3A-15-72	Angle - Curved - Fire Extinguisher Mounting Lower	1
	3C-15-23	Strap Assembly - Fire Extinguisher Mounting - C/W Hinge	1
	3A-15-65	Rubber Strip - Under Strap - 1/16 x 3/4 x 3	1
	3-15-580	First Aid Kit - 10 Unit Size - (Mine Safety)	1
	3-15-587	Refill - Complete - 10 Unit Size	1



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MODEL MC - 5A & MCC - 5A

KEY	PART NUMBER	DESCRIPTION	QTY.
o	<u>NOTE:</u>	o - Optional Equipment (Greyhound)	
		<u>FIRE EXTINGUISHER, FIRE AXE, FIRST AID & MOUNTINGS, Etc., (Continued)</u>	3.1003
	3C-15-17	Bracket S/A - Mounting 10 Unit First Aid Kit	1
o	3-15-626	First Aid Kit - 24 Unit Size - (Mine Safety)	1
o	3-15-627	Refill - Complete 24 Unit First Aid Kit	1
o	3C-15-73	Bracket S/A - Mounting 24 Unit First Aid Kit	1
o	3C-15-70	Picture Frame S/A - L.H. Complete - Mounting Large First Aid Kit	1
o	3C-15-71	Plate S/A - Mounting First Aid Kit to L.H. Picture Frame - C/W Rivets	1
	3C-15-72	Panel - Picture Frame R.H. & L.H. When First Aid Kit is Mounted on R.H. Frame	1
	3C-15-64	Ring - Gear Shift Closing at Floor	1
	3C-15-130	Bracket - Door Key Holder - C/W Rubber Grommet	1
	3A-15-96	Door Key - Dzus Fastener	1
	2283	Grommet (A.I.R.)	1
	3A-15-11	Ticket Box and Hook Assembly	1
	3A-15-12	Box Only	1
	3A-15-13	Hook Only	1
	3C-1-99	Pocket - Driver's Paper Holder	1
	3A-15-52	Driver's Coat Hook	1
	3A-15-53	Lavatory Coat Hook	1
	3C-15-68	Sheath - Axe Retaining C/W Vinyl	1
	3C-15-67	Strap Assembly - Axe Handle Retaining	1
	3A-15-24	Safety Flare Kit - (3 Car Type)	1
	3A-15-26	Reflector Flame Kit W/Flags - #70	1
	3C-15-76	Channel - Floor Nut Cover Frt. Baggage Comp.	6
	3C-15-77	Channel - Floor Nut Cover L.H. Front of Rear Baggage Comp.	1
	3C-15-78	Channel - Floor Nut Cover R.H. Front of Rear Baggage Comp.	1
	3C-15-79	Channel - Floor Nut Cover R.H. & L.H. - Center of Rear Baggage Comp.	2
	3C-15-80	Channel - Floor Nut Cover L.H. Rear of Rear Baggage Comp.	1
	3C-15-81	Channel - Floor Nut Cover R.H. Rear of Rear Baggage Comp.	1
	N.P.N.	Screw - #8 x 1/2 Phillips Tr. Hd. Type 1	34
	3C-33-24	Nameplate - "Challenger" - L.H. Parcel Rack	1
	3C-33-25	Nameplate - "Challenger" - R.H. Parcel Rack	1
	3A-15-67	Pocket - License Card Holder - Mtd. to Back of L.H. Sunvisor	1
	3C-15-55	Block - Run-Up (Wooden)	A.R.

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KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>INTERIOR CEILING PANELS</u> 3.1601	
	3C-16-233	Panel - L.H. Front Corner Above Windshield (.064 Clad Al.)	1
	3C-16-234	Panel - R.H. Front Corner Above Windshield (.064 Clad Al.)	1
	3C-16-372	Panel - Front Louvered Ceiling - (.064 Clad Alum.)	1
	3C-16-323	Panel - Ceiling #1 From Front (34 1/2 x 84 1/16)	1
	3C-16-324	Panel - Ceiling #2 From Front (29 1/4 x 84 1/16)	1
	3C-16-325	Panel - Ceiling #3 From Front (29 1/2 x 84 1/16)	2
	3C-16-326	Panel - Ceiling #4 From Front (29 3/8 x 84 1/16)	1
	3C-16-327	Panel - Ceiling #5 From Front (29 1/4 x 84 1/16)	1
	3C-16-328	Panel - Ceiling #6 From Front (29 1/4 x 84 1/16)	1
	3C-16-329	Panel - Ceiling #7 From Front (28 1/2 x 84 1/16)	1
	3C-16-330	Panel - Ceiling #8 From Front (29 x 84 1/16)	1
	3C-16-331	Panel - Ceiling #9 From Front (28 1/2 x 84 1/16)	1
	3C-16-332	Panel - Ceiling #10 From Front (29 3/4 x 84 1/16)	1
	3C-16-333	Panel - Ceiling #11 From Front (29 1/4 x 84 1/16) W/O Lav.	1
	3C-16-248	Panel - L.H. - Ceiling Rear Corner (42 x 48 Clad Alum.)	1
	3C-16-249	Panel - R.H. - Ceiling Rear Corner (42 x 48 Clad Alum.)	1
	3C-16-254	Panel - Rear Ceiling Above Window (44 x 90 Clad Alum.)	1
	3C-16-335	Ceiling Panel S/A - Front Luggage Rack (13 1/8 x 35 1/2 Clad Al.)	1
	3C-16-337	Ceiling Panel S/A - Front Luggage Rack (13 1/8 x 35 1/2 Clad Al.)	1
	3C-16-414	Panel - Ceiling #11 - Used with Lav. (29 1/4 x 84 1/16)	1
	3C-16-340	Panel - Ceiling - Front of Lavatory	1
		<u>CEILING PANEL MOLDING & RETAINER</u>	
	3C-16-361	Retainer - For Ceiling Molding - Front (1 x 103 3/4)	1
	3C-16-364	Molding - For Front Ceiling Panel Joint (1 x 104 1/2)	1
	3C-16-362	Retainer - For Ceiling Moldings - Standard (1 x 81 3/8)	11
	3C-16-365	Molding - For Standard Ceiling Panel Joints (1 x 81 7/8)	11
	3C-16-363	Retainer - For Ceiling Molding - Rear (1 x 93 3/4)	1
	3C-16-366	Molding - For Rear Ceiling Panel Joint (1 x 94 1/8)	1
	3C-16-2	Molding & Retainer - Front & Rear Vinyl - Specify Length	A.R.
	3C-16-3	Molding Only - Specify Length	A.R.
	3C-16-4	Retainer Only - Specify Length	A.R.
		<u>INTERIOR CEILING CAPS</u>	
	3C-16-9	Cap - L.H. & R.H. - Above Side Window - #1 From Front (2 3/8 x 57)	2
	3C-16-10	Cap - L.H. & R.H. - Above Side Window #2 From Front (2 3/8 x 62)	2
	3C-16-11	Cap - L.H. & R.H. - Above Side Window - #3 From Front (2 3/8 x 80)	2
	3C-16-12	Cap - L.H. & R.H. - Above Side Window - #4 From Front (Without Lavatory 2 3/8 x 62)	2
	3C-16-13	Cap - R.H. Above Side Window - #4 From Front (With Lavatory)	1



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MODEL MC - 5A & MCC - 5A

KEY	PART NUMBER	DESCRIPTION	QTY.
		* Effective Prior to Coach Unit No. 5856	
		** Effective With Coach Unit No. 5856	
		<u>INTERIOR SIDE CAPS - BETWEEN WINDOWS 3.1602</u>	
	3C-16-342	Cap S/A - R.H. Between Side & Rear Corner Window (With Lav.)	1
*	3C-16-461	Cap S/A - R.H. Between Side & Rear Corner Window (W/O Lav)	1
**	3C-16-20	Cap S/A - R.H. Between Side & Rear Corner Window (W/O Lav)	1
*	3C-16-460	Cap S/A - L.H. Between Side & Rear Corner Window	1
**	3C-16-23	Cap S/A - L.H. Between Side & Rear Corner Window	1
*	3C-16-459	Cap S/A - R.H. Between Side Windows - Center	1
**	3C-16-26	Cap S/A - R.H. - Between Side Windows - Center	1
*	3C-16-458	Cap S/A - L.H. - Between Side Windows - Center	1
**	3C-16-30	Cap S/A - L.H. - Between Side Windows - Center	1
	3C-16-288	Cap S/A - Rear of Entrance Door - C/W Vinyl	1
	3C-16-35	Post Cap - Narrow - Vertical - L.H. & R.H. (3 5/8 X 26 1/2)	4
	3C-16-345	Cap S/A - R.H. Diag. - Rear of Triangular Window - C/W Vinyl	1
	3C-16-347	Cap S/A - L.H. Diag. - Rear of Triangular Window - C/W Vinyl	1
	3C-16-349	Cap S/A - L.H. Vertical - Rear of Driver's Window - C/W Vinyl	1
	3C-16-351	Cap S/A - R.H. Windshield Post - C/W Vinyl	1
	3C-16-353	Cap S/A - L.H. Windshield Post - C/W Vinyl	1
	3C-16-355	Plate S/A - Finishing Above L.H. Windshield Post - C/W Vinyl	1
	3C-16-357	Plate S/A - Finishing Above R.H. Windshield Post - C/W Vinyl	1
	3C-16-383	Cap - Rear Cross Seat Kick Panel Trim	1
	3C-16-415	Strip - Insulation Support Below Driver's Window	1
		<u>STRUCTURAL WALL PANELS</u>	
	3C-16-280	Panel - Side Wall - Structural #1 L.H.	1
	3C-16-281	Panel - Side Wall - Structural #2 L.H.	1
	3C-16-282	Panel - Side Wall - Structural #3 L.H.	1
	3C-16-283	Panel - Side Wall - Structural #4 L.H.	1
	3B-16-47	Panel - Side Wall - Structural #5 L.H.	1
	3C-16-284	Panel - Side Wall - Structural #1 R.H.	1
	3C-16-285	Panel - Side Wall - Structural #2 R.H.	1
	3C-16-286	Panel - Side Wall - Structural #3 R.H.	1
	3C-16-287	Panel - Side Wall - Structural #4 R.H.	1
	3B-16-48	Panel - Side Wall - Structural #5 R.H.	1
		<u>DIMPLED AIR PANELS</u>	
	3C-16-290	Panel S/A - Side Wall Air - Dimpled #1 L.H.	1
	3C-16-293	Panel S/A - Side Wall Air - Dimpled #2 L.H.	1
	3C-16-295	Panel S/A - Side Wall Air - Dimpled #3 L.H.	1
	3C-16-297	Panel S/A - Side Wall Air - Dimpled #4 L.H.	1
	3C-16-299	Panel S/A - Side Wall Air - Dimpled #1 R.H.	1
	3C-16-301	Panel S/A - Side Wall Air - Dimpled #2 R.H.	1
	3C-16-303	Panel S/A - Side Wall Air - Dimpled #3 R.H.	1
	3C-16-305	Panel S/A - Side Wall Air - Dimpled #4 R.H. Less Lav.	1
	3C-16-307	Panel - Side Wall Air - Dimpled #4 R.H. - With Lav.	1

Challenger**PARTS MANUAL**

MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
		* Effective Prior To Coach Serial No. 5356	
		** Effective With Coach Serial No. 5356	
		+ Effective Prior To Coach Serial No. 5341	
		++ Effective With Coach Serial No. 5341	
		<u>REAR CROSS SEAT PANELS</u> 3.1603	
		<u>STD. COACHES WITH NATIONAL OR AMERICAN SEATING</u>	
	3C-16-377	Kick Panel S/A - Rear Cross Seat Complete	1
	3C-16-378	Cap S/A - Spotwelded	1
	3C-16-382	Panel S/A - C/W Insulation	1
	3C-16-381	Panel Only	1
	3C-16-437	Panel - Finishing Kick Panel	1
		<u>COACHES WITH LAV. & NATIONAL OR AMERICAN SEATING</u>	
*	3C-16-316	Kick Panel S/A - Rear Cross Seat Complete	1
**	3C-16-417	Kick Panel S/A - Rear Cross Seat Complete	1
	3C-16-418	Panel S/A - Upper Section	1
	3C-16-321	Panel S/A - Lower Section	1
	3C-16-322	Panel Only	1
	3C-16-428	Panel - Lower Aluminum Panel Cover	1
		<u>STANDARD COACHES WITH MCI SEATING</u>	
	3C-16-433	Kick Panel S/A - Rear Cross Seat Complete	1
	3C-16-438	Kick Panel S/A - Spotwelded	1
	3C-16-434	Kick Panel Only	1
	3C-16-436	Angle - Reinforcing	1
	3C-16-435	Panel - Backing	1
		<u>COACHES WITH LAVATORY & MCI SEATING</u>	
	3C-16-429	Kick Panel S/A - Rear Cross Seat Complete	1
	3C-16-439	Kick Panel S/A - Spotwelded	1
	3C-16-430	Kick Panel Only	1
	3C-16-432	Angle - Reinforcing	1
	3C-16-431	Panel - Backing	1
		<u>PANELS - REAR OF REAR CROSS SEAT BACK</u>	
+	3B-16-135	Panel S/A - L.H. Rear of Rear Cross Seat Back	1
+	3B-16-136	Panel Only	1
	3B-16-155	Panel S/A - R.H. Rear of Rear Cross Seat Back (With Lav.)	1
	3B-16-145	Panel S/A - R.H. Rear of Rear Cross Seat Back (W/O Lav.)	1
	3B-16-146	Panel Only	1
++	3C-16-384	Panel S/A - L.H. Rear of Rear Cross Seat Back	1
++	3C-16-395	Cover S/A - L.H. Rear of Rear Cross Seat Back	1



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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
		* Effective Prior to Coach Unit No. 5795 ** Effective With Coach Unit No. 5795	
		<u>REAR CROSS SEAT LINING PANELS</u>	
*	3B-16-120	Panel S/A - Rear Cross Seat Lining, Upper (W/O Lav.)	1
**	3C-16-471	Panel S/A - Rear Cross Seat Lining, Upper (W/O Lav.)	1
*	3B-16-123	Panel S/A - Rear Cross Seat Lining, Upper (W/Lav.)	1
**	3C-16-473	Panel S/A - Rear Cross Seat Lining, Upper (W/Lav.)	1
*	3C-37-47	Panel S/A - Rear Cross Seat Lining, Lower (W/O Lav.)	1
**	3C-37-58	Panel S/A - Rear Cross Seat Lining, Lower (W/O Lav.)	1
*	3C-37-48	Panel S/A - Rear Cross Seat Lining, Lower (W/Lav.)	1
**	3C-37-49	Panel S/A - Rear Cross Seat Lining, Lower (W/Lav.)	1
**	3C-16-462	Door S/A - Engine Inspection, C/W Seal	1
**	3C-16-467	Frame S/A - Engine Inspection Door Mounting	1
		<u>UNDER DASH PANELS</u>	
	3C-16-257	Panel - R.H. Under Dash	1
	3C-1-84	Panel S/A - Center Under Dash	1
	3C-16-311	Panel S/A - L.H. Under Dash	1
	3C-16-313	Panel - Driver's Kick	1
	3C-16-1	Panel - Heater Line Cover at Driver's Floor	1
	3C-16-476	Wear Plate - Driver's Floor (Optional)	1



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MODEL MC - 5A & MCC - 5A

KEY	PART NUMBER	DESCRIPTION	QTY.
*		(Prior to Coach Unit #5501)	
**		(Effective with Coach Unit #5501)	
		<u>HEATER DUCTS</u>	3.1701
*	3C-17-132	Heater Duct S/A - R.H. #1	1
**	3C-17-324	Heater Duct S/A - #1 R.H. Front Section	1
**	3C-17-327	Heater Duct S/A - #1 R.H. Rear Section	1
	3C-17-146	Heater Duct S/A - R.H. #2	1
	3C-17-149	Heater Duct S/A - R.H. #3	1
	3C-17-151	Heater Duct S/A - R.H. #4	1
	3C-17-156	Heater Duct S/A - L.H. #1	1
	3C-17-164	Heater Duct S/A - L.H. #2	1
	3C-17-166	Heater Duct S/A - L.H. #3	1
	3C-17-168	Heater Duct S/A - L.H. #4	1
	3C-17-174	Heater Duct S/A - L.H. #5	1
	3C-17-80	Heater Duct S/A - Inner Duct for Lav.	1
*	3C-17-130	Cap - Finishing #1 Heater Duct at Modesty Panel	1
**	3C-17-305	Cap - Finishing #1 Heater Duct at Modesty Panel	1
	3C-17-177	Panel S/A - Driver's Footrest	1
	3C-17-180	Panel S/A - Side Closing	1
	3C-17-183	Panel S/A - End Closing	1
	3C-17-197	Pad S/A - Driver's Footrest	1
	3C-17-9	Cap S/A - Driver's Footrest Closing	1
	3C-16-1	Z Cap - Driver's Heater Line Cover Front L.H. Floor	1
	3C-17-140	Slide S/A - Used with all Heater Ducts	As Req'd
	3C-17-142	Vent Lock S/A - Used with all Heater Ducts	As Req'd
	3C-17-32	Air Deflector S/A - #2 L.H. Heater Duct Complete	1
	3C-17-38	Air Deflector S/A - #2 R.H. Heater Duct Complete	1
	3C-17-192	Deflector - R.H. of Rear Cross Seat Kick Panel	1
	3C-17-79	Deflector - L.H. Front of Rear Cross Seat Kick Panel	1
	3C-17-304	Washer - Heater Duct Air Deflector	1
	3C-17-193	Angle - Closing Rear Heater Ducts (1 3/8 x 6 9/16 Alum.)	2
	7C-8-65	Cap S/A - Foglight & Dimmer Switch Housing	1
		<u>FLOOR DUCTS</u>	
	3C-17-43	Duct S/A - Recirculating Front - Complete	2
	3C-17-44	Cap S/A - Recirculating Duct - Front	2
	3C-17-47	Frame S/A - Mounting Front Recirculating Duct at Floor	2
	3C-17-48	Sleeve - Only - Front Recirculating Duct	1
	3C-17-49	Flange - Only - Front Recirculating Duct - Sides	2
	3C-17-50	Flange - Only - Front and Rear Recirculating Duct - Front	2
	3C-17-51	Mldg. - Finishing - Recirculation Duct - Front	1

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MODEL MC - 5A & MCC - 5A

KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>FLOOR DUCTS (Continued)</u> 3.1702	
	3C-17-52	Duct S/A - Recirculating Centre Complete	2
	3C-17-53	Cap S/A - Recirculating Duct Centre	1
	3C-17-56	Frame S/A - Mtg. Centre Recirculating Duct at Floor	2
	3C-17-57	Sleeve - Only - Centre Recirculating Duct	1
	3C-17-58	Flange - Only - Centre Recirculating Duct - Centre	2
	3C-17-59	Flange - Only - Centre Recirculating Duct - Frt. & Rear	2
	3C-17-60	Mldg. - Finishing - Recirculating Duct - Centre	1
	3C-17-195	Duct S/A - L.H. Air Intake - Under Passenger Seats - Complete	1
	3C-17-61	Duct S/A - Spotwelded Section	1
	3A-17-511	Screen & Frame S/A - Inner & Outer - 6 1/2 x 9 1/2	2
	3A-17-508	Screen & Frame S/A - Rear - 6 x 10 1/2	1
	3A-17-519	Screen & Frame S/A - Front - 5 x 9 1/2	1
	N.P.N.	Pop Rivet - Tap - D - BS- 429	32
	3C-17-74	Duct S/A - L.H. Inner - Under Passenger Seats - Complete	1
	3A-17-577	Duct Only	1
	3A-17-578	Z-Channel - Reinforcing - 3 3/4 x 13	1
	3A-17-588	Damper S/A - L.H.	1
	3A-17-606	Rubber Seal - 1/8 x 2 1/4 x 9	1
	3A-17-592	Hinge Only - 1 1/8 Open x 8 1/2 Lg. Stn. Stl.	1
	N.P.N.	Pop Rivet - # AD612 Imex	13
	N.P.N.	Pop Rivet - #Tap - D - BS - 429 U.S.M.C.	8
	3C-17-68	Duct Cover S/A - L.H. Air Intake Under Passenger Seats - C/W Vinyl	1
	N.P.N.	Pop Rivet - # AD612 Imex	8
	N.P.N.	Screw - #6 x 5/8 Binder Hd. Type A	16
	N.P.N.	Washer - 1/4 Flat - Cadmium Plated	1
	3C-17-78	Duct S/A - L.H. Extension C/W Vinyl Covering	1
	3A-17-575	Duct S/A - Spotwelded Section	1
	3C-17-196	Duct S/A - R.H. Air Intake Under Passenger Seats - Complete	1
	3C-17-70	Duct S/A - Spotwelded Section	1
	3A-17-511	Screen & Frame S/A - Outer - 6 1/2 x 9 1/2	1
	3A-17-508	Screen & Frame S/A - Rear - 6 x 10 1/2	1
	3A-17-519	Screen & Frame S/A - Front - 5 x 9 1/2	1
	3A-17-532	Screen & Frame S/A - Inner - 5 x 8 1/2	1
	N.P.N.	Pop Rivet - #Tap -D - BS - 428	28
	N.P.N.	Screw - #8 - 32 x 1/2 Ph. Truss Hd.	1
	3C-17-75	Duct S/A - R.H. Inner - Under Passenger Seats - Complete	1
	3A-17-577	Duct Only	1
	3A-17-578	Z - Channel - Reinforcing - 3 3/4 x 13	1



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MODEL MC - 5A & MCC -5A

KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>FLOOR DUCTS (Continued)</u> 3.1703	
	3A-17-603	Damper S/A - R.H.	1
	3A-17-606	Rubber Seal - 1/8 x 2 1/4 x 9	1
	3A-17-592	Hinge Only - 1 1/8 Open x 8 1/2 Lg. Str. Stl.	1
	N.P.N.	Pop Rivet - #AD612 Imex	13
	N.P.N.	Pop Rivet - # Tap - BS - 429 U.S.M.C.	8
	3C-17-72	Duct Cover S/A - R.H. Air Intake Under Passenger Seats C/W Vinyl	1
	N.P.N.	Pop Rivet - #AD612 Imex	8
	N.P.N.	Screw - #6 x 5/8 Binder Hd. Type A	16
	N.P.N.	Washer - 1/4 Flat Cadmium Plated	1
	3C-17-78	Duct S/A - R.H. Extension C/W Vinyl Covering	1
	3A-17-575	Duct S/A - Spotwelded Section	1
	3A-17-591	Knob - Air Intake Duct Damper	2
	3C-17-63	Frame S/A - L.H. & R.H. Fresh Air Intake Duct Mounting	2
	3C-17-67	Moulding - Finishing Air Ducts at Floor	2
		<u>SEAT RAILS</u>	
		<u>Used with American & National Seating</u>	
*		(Prior to Coach Unit #5501)	
**		(Effective with Coach Unit #5501)	
	3C-17-85	Seat Rail S/A - #1 L.H. Complete	1
	3C-17-86	Cap S/A - #1 L.H. Seat Rail	1
	3C-17-91	Seat Rail S/A - #2 L.H. Complete	1
	3C-17-92	Cap S/A - #2 L.H. Seat Rail	1
	3C-17-98	Seat Rail S/A - #3 L.H. Complete	1
	3C-17-99	Cap S/A - #3 L.H. Seat Rail	1
	3C-17-103	Seat Rail S/A - #4 L.H. Complete	1
	3C-17-104	Cap S/A - #4 L.H. Seat Rail	1
*	3C-17-109	Seat Rail S/A - #1 R.H. Complete with Lav.	1
*	3C-17-110	Cap S/A - #1 R.H. Seat Rail	1
**	3C-17-337	Seat Rail S/A - #1 R.H. Front Complete (With Lav.)	1
**	3C-17-339	Seat Rail S/A - #1 R.H. Rear Complete (With Lav.)	1
	3C-17-114	Seat Rail S/A - #2 R.H. Complete (With Lav.)	1
	3C-17-115	Cap S/A - #2 R.H. Seat Rail	1
	3C-17-119	Seat Rail S/A - #3 R.H. Complete (With Lav.)	1
	3C-17-120	Cap S/A - #3 Seat Rail	1
	3C-17-124	Seat Rail S/A - #4 R.H. Complete (With Lav.)	1
	3C-17-125	Cap S/A - #4 Seat Rail	1



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MODEL MC - 5A & MCC - 5A

KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>SEAT RAILS (Continued)</u> 3.1704	
*		(Prior to Coach Unit #5501)	
**		(Effective with Coach Unit #5501)	
*	3C-17-279	Seat Rail S/A - #1 R.H. Complete Less Lav.	1
*	3C-17-280	Cap S/A - #1 R.H. Seat Rail Less Lav.	1
**	3C-17-331	Seat Rail S/A - #1 R.H. Front Section - Less Lav.	1
**	3C-17-332	Cap - Seat Rail	1
**	3C-17-334	Seat Rail S/A - # R.H. Rear Section - Less Lav.	1
**	3C-17-335	Cap - Seat Rail	1
**	3C-17-295	Angle S/A - Seat Rail Mounting	1
	3C-17-282	Seat Rail S/A - #2 R.H. Complete Less Lav.	1
	3C-17-283	Cap S/A - #2 R.H. Seat Rail Less Lav.	1
	3C-17-285	Seat Rail S/A - #3 R.H. Complete Less Lav.	1
	3C-17-286	Cap S/A - #3 R.H. Seat Rail Less Lav.	1
	3C-17-288	Seat Rail S/A - #4 - R.H. Complete Less Lav.	1
	3C-17-289	Cap S/A - #4 Seat Rails Less Lav.	1
		<u>SEAT RAILS</u>	
		(Used with M.C.I. Seating)	
	3C-17-214	Seat Rail S/A - #1 L.H. Complete	1
	3C-17-215	Cap S/A - #1 L.H. Seat Rail	1
	3C-17-219	Seat Rail S/A - #2 L.H. Complete	1
	3C-17-220	Cap S/A - 2 L.H. Seat Rail	1
	3C-17-224	Seat Rail S/A - #3 L.H. Complete	1
	3C-17-225	Cap S/A - #3 L.H. Seat Rail	1
	3C-17-229	Seat Rail S/A - #4 L.H. Complete	1
	3C-17-230	Cap S/A - #4 L.H. Seat Rail	1
*	3C-17-234	Seat Rail S/A - #1 R.H. Complete (With Lav.)	1
*	3C-17-235	Cap S/A - #1 R.H. Seat Rail	1
**	3C-17-345	Seat Rail S/A - #1 R.H. Front Complete (With Lav.)	1
**	3C-17-347	Seat Rail S/A - # 1 R.H. Rear Complete (With Lav.)	1
	3C-17-239	Seat Rail S/A - #2 R.H. Complete (With Lav.)	1
	3C-17-240	Cap S/A - #2 R.H. Seat Rail	1

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MODEL MC - 5A & MCC - 5A

KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>SEAT RAILS (Continued)</u> 3.1705	
		<u>(Used with M.C.I. Seating)</u>	
	3C-17-244	Seat Rail S/A - #3 R.H. Complete (With Lav.)	1
	3C-17-245	Cap S/A - #3 R.H. Seat Rail	1
	3C-17-249	Seat Rail S/A - #4 R.H. Complete (With Lav.)	1
	3C-17-250	Cap S/A - #4 R.H. Seat Rail	1
*	3C-17-264	Seat Rail S/A - #1 R.H. Complete (Less Lav.)	1
*	3C-17-266	Cap S/A - #1 Seat Rail Less Lav.	1
**	3C-17-341	Seat Rail S/A - #1 R.H. Front Complete (Less Lav.)	1
**	3C-17-343	Seat Rail S/A - #1 R.H. Rear Complete (Less Lav.)	1
	3C-17-269	Seat Rail S/A - #2 R.H. Complete (Less Lav.)	1
	3C-17-270	Cap S/A - #2 R.H. Seat Rail (Less Lav.)	1
	3C-17-274	Seat Rail S/A - #3 R.H. Complete (Less Lav.)	1
	3C-17-275	Cap S/A - #3 Seat Rail (Less Lav.)	1
	3C-17-255	Seat Rail S/A - #4 R.H. Complete (Less Lav.)	1
	3C-17-256	Cap S/A - #4 Seat Rail (Less Lav.)	1
	3C-17-260	Panel S/A - #5 Heater Duct (Without Lav.)	1
	3C-17-141	Slide S/A	1
	3C-17-142	Vent Lock S/A	1
		<u>SEAT RAILS - OPTIONAL</u>	
		<u>(Used with Revolving Seat)</u>	
	3C-17-306	Cap S/A - #1 L.H. Seat Rail	1
	3C-17-308	Angle S/A - #1 L.H. Seat Rail	1
	3C-17-310	Cap S/A - #2 L.H. Seat Rail	1
	3C-17-312	Angle S/A - #2 L.H. Seat Rail	1
	3C-17-314	Cap S/A - #3 L.H. Seat Rail	1
	3C-17-316	Angle S/A - #3 L.H. Seat Rail	1
	3C-17-318	Cap S/A - #4 L.H. Seat Rail	1
	3C-17-320	Angle S/A - #4 L.H. Seat Rail	1



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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
*		(Effective Prior to Coach Unit # 5467) (Effective With Coach Unit # 5467)	
		<u>PLYWOOD FLOOR</u> 3.1801	
	3C-18-19	Plywood Floor - Section #1 Front to Rear	1
	3C-18-3	Plywood Floor - Section #2 Front to Rear	1
	3C-18-13	Plywood Floor - Section #3 Front to Rear	1
	3C-18-5	Plywood Floor - Section #4 Front to Rear	1
	3C-18-6	Plywood Floor - Section #5 Front to Rear	1
	3C-18-7	Plywood Floor - Section #6 Front to Rear	1
	3C-18-8	Plywood Floor - Section #7 Front to Rear	1
	3C-18-9	Plywood Floor - Section #8 Front to Rear	1
	3C-18-10	Plywood Floor - Section #9 Front to Rear (With Lavatory)	1
	3A-18-6	Tapping Block - For Above Plywood Sections	40
	3C-18-18	Floor Panel - Between Lav. Floor Pan and Insp. Hole	1
		<u>FLOOR COVERING</u> (Specify Material & Color)	
	3C-18-22	Floor Covering - L.H. Under Seats	1
	3B-18-16	Floor Covering - R.H. Under Seats	1
	3B-18-20	Floor Covering - Centre Aisle	1
	3C-18-20	Floor Covering - Entrance Area	1
	3C-18-21	Floor Covering - Driver's Floor	1
	3B-18-21	Floor Covering - I.C.C. Strip	1
	3B-18-25	Door S/A - Line Inspection - Front of Rear Cross Seat	1
	3B-18-29	Floor Covering - Specify Material & Color	1
	3B-18-26	Panel Only - Aluminum	1
	3B-18-27	Panel Only - Plywood	1
	# 163	Rubber Sealer - 1/32 x 1 x 35" Long	A.R.
	N.P.N.	Screw - #8 x 1 O.H. Phillips	3
	N.P.N.	Screw - #6 x 1/2 B.H. Phillips	1
	3B-18-32	Cove Molding - Inspection Door - Rear	1
**	3C-18-24	Cover S/A - Tachograph Inspection	1
**	3C-18-25	Plate Only	1
**	3C-18-26	Panel - Plywood	1
**	N.P.N.	Permastick - Sealing - 1/16 x 1/2 x 34	A.R.
**	N.P.N.	Screws - #6 x 1/2 Phillips Type A	6
**	N.P.N.	Capscrew - 1/4 - 20 x 1/2 Hex. Hd. Mtg. Cover to Floor	2
**	3C-18-27	Panel S/A - #6 Plywood Floor	1
**	3C-18-28	Panel Only	1

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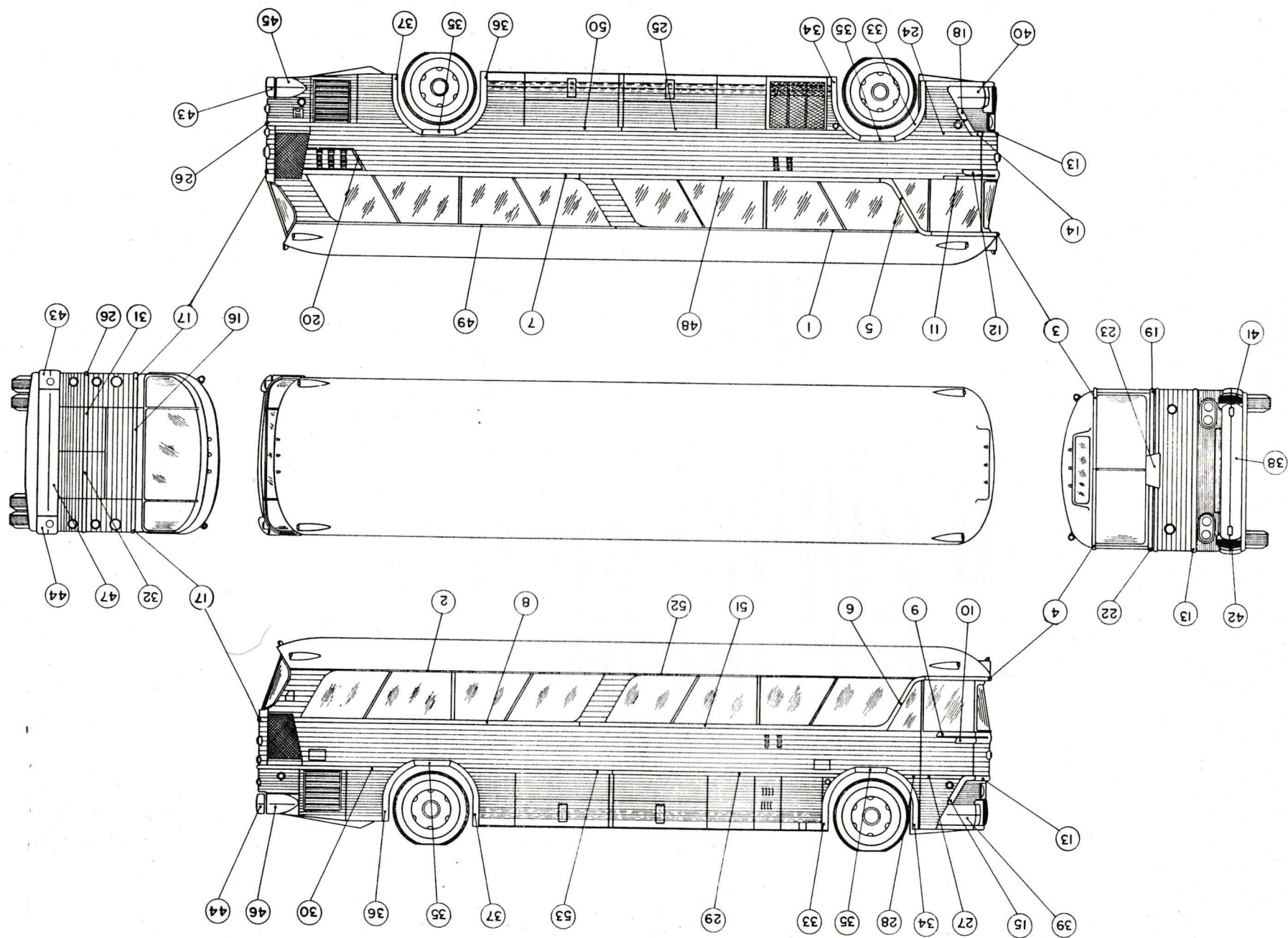
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KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 3-73		<u>EXTERIOR MOLDINGS</u> 3.2001	
1	3C-20-70	Molding - Drip - Above Side Window L.H. - Front	1
49	3C-20-71	Molding - Drip - Above Side Windows L.H. - Rear	1
52	3C-20-68	Molding - Drip - Above Side Windows R.H. - Front	1
2	3C-20-69	Molding - Drip - Above Side Windows R.H. - Rear	1
	3A-20-200	Molding - Drip - Above Windshield L.H.	1
	3A-20-201	Molding - Drip - Above Windshield R.H.	1
3	3B-20-10	Molding - Reveal - Above Windshield L.H.	1
4	3B-20-11	Molding - Reveal - Above Windshield R.H.	1
5	3A-20-55	Molding - Reveal - L.H. Diagonal - Rear of Driver's Window	1
6	3A-20-59	Molding - Reveal - R.H. Diagonal - Rear of Entrance Door	1
48	3C-20-72	Molding - Reveal - L.H. Below Side Windows - Front	1
7	3C-20-73	Molding - Reveal - L.H. Below Side Windows - Rear	1
51	3C-20-72	Molding - Reveal - R.H. Below Side Windows - Front	1
8	3C-20-74	Molding - Reveal - R.H. Below Side Windows - Rear	1
9	3C-20-38	Molding - Reveal - Below Entrance Door Window - Upper	1
10	3C-20-39	Molding - Reveal - Below Entrance Door Window - Lower	1
11	3C-20-59	Molding - Reveal - Below Driver's Window - Upper	1
12	3C-20-45	Molding - Reveal - Below Driver's Windows - Lower	1
13	3C-20-49	Molding - Headlight Reveal	1
14	3C-20-60	Molding - Reveal - Above Fuse Door	1
15	3C-20-40	Molding - Reveal - Entrance Door Vertical	1
16	3A-20-182	Molding - Blower Compartment Door	1
17	3B-20-38	Molding - Below Rear Window - L.H. & R.H.	2
18	3C-20-61	Molding - Headlight Reveal - On Fuse Door	1
	3A-20-1	Spacers - For Moldings	(As Req'd)
19	3C-20-53	Molding S/A - Below Windshield L.H. C/W Spacer & Lug	1
22	3C-20-57	Molding S/A - Below Windshield R.H. C/W Spacer	1
24	3A-20-138	Molding - Belt - Front of Front "A" " " " "	1
			1
25	3C-20-85	Molding S/A - Belt - Rear of Front Wheel Housing - L.H.	1
	3C-20-86	Molding Only	1
	3C-20-87	Filler Strip - Vinyl Extrusion (#3C-20-1)	1
	3C-29-189	Hinge - Baggage Door Rubber (#3A-29-160)	1
50	3C-20-88	Molding S/A - Belt - Front of Rear Wheel Housing - L.H.	1
	3C-20-89	Molding Only	1
	3C-20-84	Filler Strip - Vinyl Extrusion (#3C-20-1)	1
	3C-20-189	Hinge - Baggage Door Rubber (#3A-29-160)	1





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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 3-73	* Effective Prior to Coach Unit No. 5401 ** Effective With Coach Unit No. 5401		
	<u>EXTERIOR MOLDINGS (Cont'd)</u> 3.2002		
28	3C-20-47	Molding - Belt - Front of Front Wheel - R.H.	1
29	3C-20-75	Molding S/A - Belt - Rear of Front Wheel Housing R.H.	1
	3C-20-76	Molding Only	1
	3C-30-29	Hinge - Battery Door Rubber (3A-29-160)	1
	3C-20-77	Filler Strip - Vinyl Extrusion (3C-20-1)	1
	3C-29-189	Hinge - Baggage Door Rubber (3A-29-160)	1
53	3C-20-82	Molding S/A - Belt - Front of Rear Wheel Housing R.H.	1
	3C-20-83	Molding Only	1
	3C-29-189	Hinge - Baggage Door Rubber (3A-29-160)	1
	3C-20-84	Filler Strip - Vinyl Extrusion (3C-20-1)	1
26	3B-20-26	Molding - Belt - Rear of Rear Wheel - L.H.	1
30	3B-20-31	Molding - Belt - Rear of Rear Wheel - R.H.	1
31 & 32*	3B-20-39	Molding - Belt - Rear Eng. Service Door - L.H. & R.H.	2
31 & 32**	3C-20-91	Molding - Outer - L.H. & R.H. Eng. Service Doors	2
31 & 32**	3C-20-92	Molding - Inner - L.H. & R.H. Eng. Service Doors	2
	3A-33-26	Molding - Extrusion - License Plate Mounting Front 52 1/2" lg.	2
27	3C-20-25	Molding - Entrance Door Center - Horizontal	1
23	3C-20-93	Panel - Emblem Mtg. (Greyhound)	1
	3C-33-27	Emblem - Greyhound Dog	1
23	3C-20-66	Panel S/A - Target (For Other Than Greyhound)	1
20	3C-35-161	Drip Molding S/A - Front Angular & Lower Horizontal	1
	3C-35-144	Drip Molding - Above Engine Air Intake Louvers	1
	3B-20-8	Belt Molding Support - 19' Long U-Channel	2
<u>NOTE:</u> Key Nos. 33, 34, 35, 36 and 37 shown in detail under Group 3.23			

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KEY	PART NUMBER	DESCRIPTION	QTY.
*		Used only with Standard Front Bumpers - (Tire Door)	
**		Used only with Extended Front Bumpers - (Tire Door)	
Plate 3-73		BUMPERS 3.2101	
38	3C-31-307	Bumper - Front (Less Fog Light Holes)	1
38	3C-31-308	Bumper - Front (With Fog Light Holes)	1
39	3C-21-41	Bumperette S/A - R.H. - On Entrance Door	1
40	3C-21-34	Bumperette S/A - On L.H. Front Side Service Door	1
45	3B-21-4	Bumperette - L.H. Rear Side	1
46	3B-21-5	Bumperette - R.H. Rear Side	1
43	3B-21-13	Bumper Assembly - L.H. Rear C/W Reflector & Bumper Casting	1
	3B-21-1	Casting Only	1
	3C-33-22	Reflector Only	1
	N.P.N.	Washer - 3/8 Flat Cadmium Plated Steel	2
	N.P.N.	Washer - 5/16 Flat Cadmium Plated Steel	2
	N.P.N.	Screw - # 10 - 24 x 1/2 Phillips Truss Head Cadmium Plated	4
44	3B-21-14	Bumper Assembly - R.H. Rear C/W Reflector & Bumper Casting	1
	3B-21-2	Casting Only	1
	3C-33-22	Reflector Only	1
	N.P.N.	Washer - 3/8 Flat Cadmium Plated Steel	2
	N.P.N.	Washer - 5/16 Flat Cadmium Plated Steel	2
	N.P.N.	Screw - # 10 - 24 x 1/2 Phillips Truss Head Cadmium Plated	4
41	3A-21-75	Bumper Assembly - L.H. Front C/W Rubber Bumper & Casting	1
	3A-21-72	Rubber Bumper - Mounting L.H. bumper Casting	1
	3A-21-76	Bumper Casting - L.H. Front	1
	N.P.N.	Lockwasher - 3/8 Med. Cadmium Plated	4
	N.P.N.	Nut - 3/8 - 24 Hex. Cadmium Plated	4
42	3A-21-70	Bumper Assembly - R.H. Front C/W Rubber Bumper & Casting	1
	3A-21-72	Rubber Bumper - Mounting R.H. Bumper Casting	1
	3A-21-71	Bumper Casting - R.H. Front	1
	N.P.N.	Lockwasher - 3/8 Medium Cadmium Plated	4
	N.P.N.	Nut - 3/8 - 24 Hex. Cadmium Plated	4
	3A-21-62	Washer - Rear Corner Bumper Mounting - 5/8 I.D. x 2 1/4 O.D.	8
	3C-21-1	Spacer - Rear Bumperettes	4
*	3A-21-78	Spacer - Front Bumper Rubber Block Mounting	2
**	3C-21-26	Spacer - Front Bumper Rubber Block Mounting	2
	3C-21-24	Rubber Washer - Rear Corner Bumpers (2 1/4 O.D. x 1" Thk.	8

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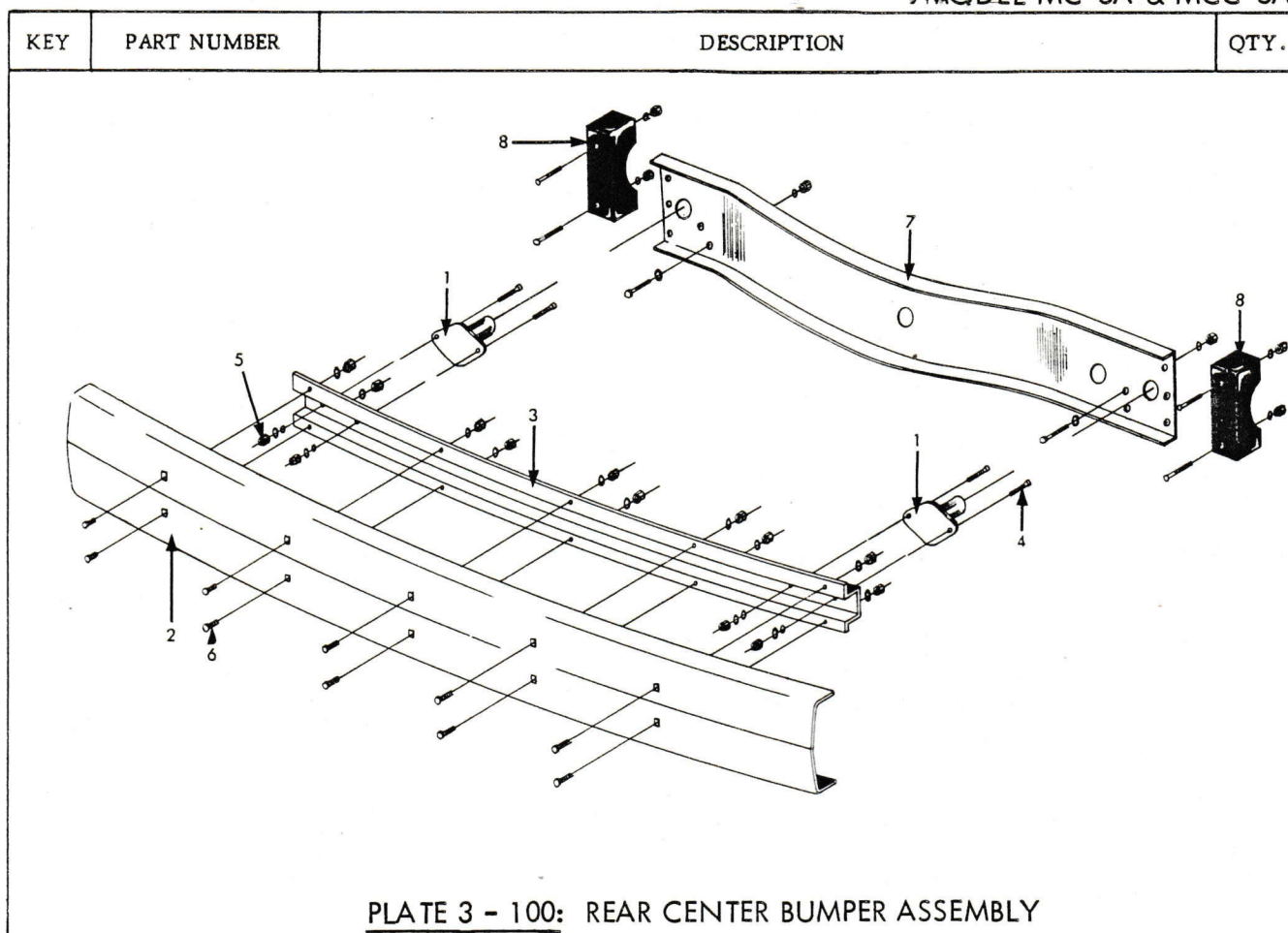


PLATE 3 - 100: REAR CENTER BUMPER ASSEMBLY

Plate	BUMPERS (Cont'd)		3.2102
3-100			
	3C-21-49	Bumper Assy. - Rear Center, Non-Extended	1
	3C-21-63	Bumper Assy. - Rear Center, Extended	1
1	3C-21-52	Spacer S/A - Non-Extended Bumper Mtg.	2
1	3C-21-58	Spacer S/A - Extended Bumper Mtg.	2
2	3C-21-50	Bumper Only	1
3	3C-21-51	Hat Channel - Bumper Mtg.	1
4	N.P.N.	Cap Screw - 5/16 - 24 x 3/4 Hex. Hd. Stl. Cad. Pl. Gr. 5	4
5	N.P.N.	Nut - 5/16 - 24 Hex. Elastic, Stl. Cad. Pl.	4
6	N.P.N.	Bolt - c/w Nut - 7/16 - 14 x 1 BU 301	10
	N.P.N.	Flat Washer - 7/16 Stl. Cad. Pl.	10
	N.P.N.	Lockwasher - 7/16 Med. Stl. Cad. Pl. & Trtd.	10
	3B-21-21	Bolt & Washer S/A - Spacer Mtg. to Frame	2
7	3B-24-1	Tie Bar - Rear Bumper	1
8	3A-21-60	Block - Rubber Bumper (Non-Extended)	2
8	3C-21-25	Block - Rubber Bumper (Extended)	2

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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 3-105		<u>REAR VIEW MIRRORS - EXTERIOR</u> 3.2201	
	3A-22-63	Head Assy. - Rear View Mirror, L.H.	1
	3A-22-65	Head Assy. - Rear View Mirror, R.H.	1
1	3A-22-67	Bezel Only	2
2	3A-22-68	Glass Only	2
3	3A-22-64	Back Only - L.H.	1
3	3A-22-66	Back Only - R.H.	1
	3A-22-69	Rubber Bumper	3
	N.P.N.	Screw - Rubber Bumper - #8 x 5/8 Slotted Rd. Hd.	3
	N.P.N.	Screw - Bezel to Back - #8 x 1/2 O. Hd.	5
	3C-22-15	Convex Mirror	1
	3C-22-2	Air Scoop S/A - L.H.	1
	3C-22-3	Air Scoop S/A - R.H.	1
	3A-22-59	Mirror Assy. - Less Head, L.H.	1
	3A-22-60	Mirror Assy. - Less Head, R.H.	1
4	N.P.N.	Set Screw - 1/2 - 20 Socket Hd.	2
5	N.P.N.	Screw - #12 x 3/4 Ph. O. Hd. Mach.	8
6	3C-22-13	Cap - Ball Stud	2
7	3A-22-76	Ball Stud	2
8	3A-22-74	Seat - Ball Stud	2
9	3C-22-11	Spring	2
10	3A-22-82	Retainer	2
11	3C-22-7	Arm Only	2
12	N.P.N.	Set Screw - 3/8 - 16 x 3/4	2
	3C-22-8	Rubber Bumper - Mirror Arm Stop	4
	N.P.N.	Nut - Rubber Bumper - 3/8 - 16 Hex.	4
	N.P.N.	Lockwasher - 3/8"	4
13	N.P.N.	Cotter Pin - 1/8 x 1	2
	3A-22-85	Bracket S/A - Mirror Mtg., L.H.	1
	3A-22-86	Bracket S/A - Mirror Mtg., R.H.	1
14	N.P.N.	Screw - #10 - 32 x 5/8	2
15	3A-22-72	Cap Nut	2
16	3A-22-73	Nut - 3/4 - 16 Castle	2
17	3A-22-81	Washer - 1 7/16" O.D. Fibre	2
18	3C-22-11	Spring	2
19	3C-22-12	Spacer	2
20	3A-22-78	Washer - 2 1/2" O.D. Fibre	2
21	3C-22-10	Stud - Swivel	2
22	3A-22-61	Bracket - Mirror Arm Mtg., L.H.	1
22	3A-22-62	Bracket - Mirror Arm Mtg., R.H.	1
	N.P.N.	Drive Pin - 1/8 x 1 1/2	2

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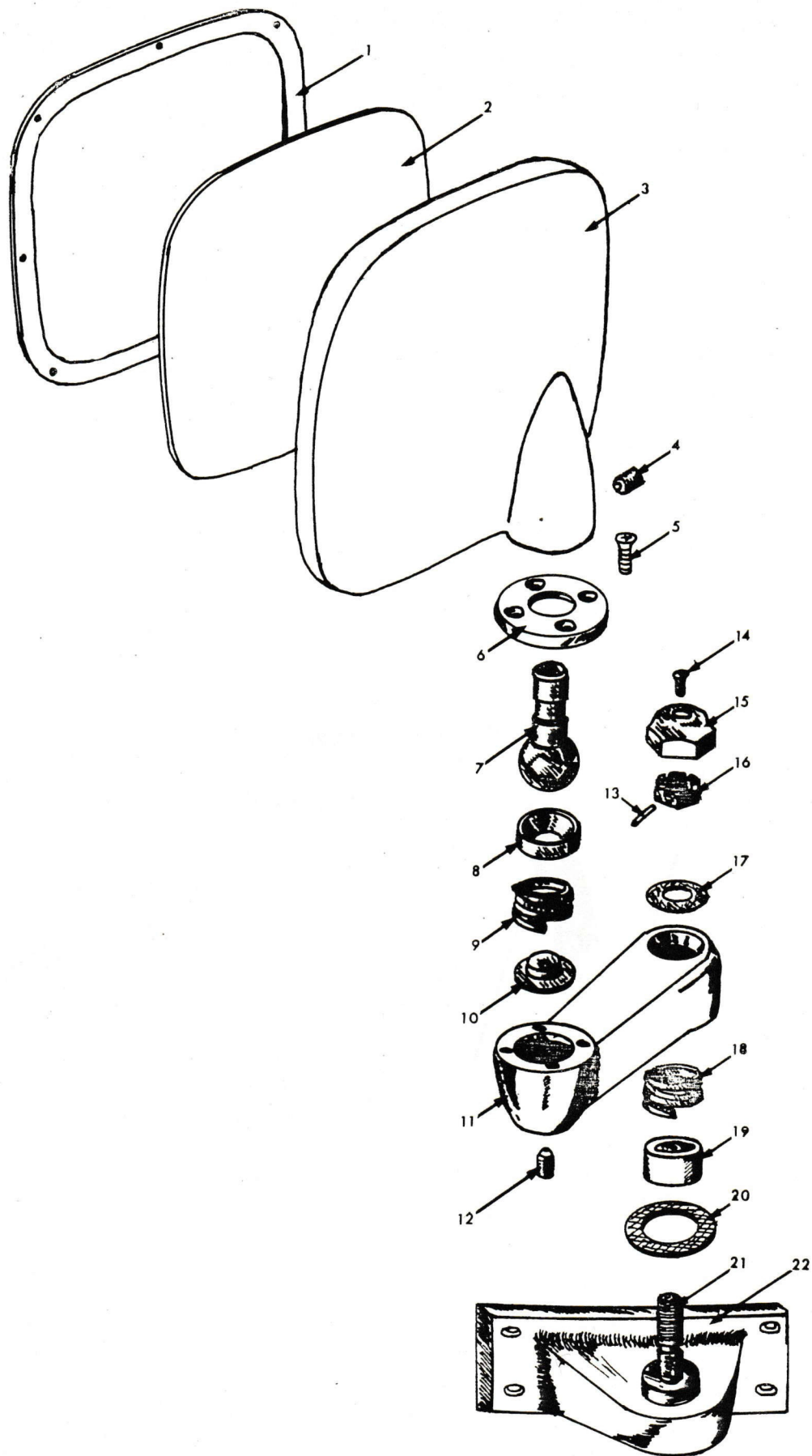


PLATE 3-105: EXTERIOR REAR VIEW MIRROR ASSEMBLY

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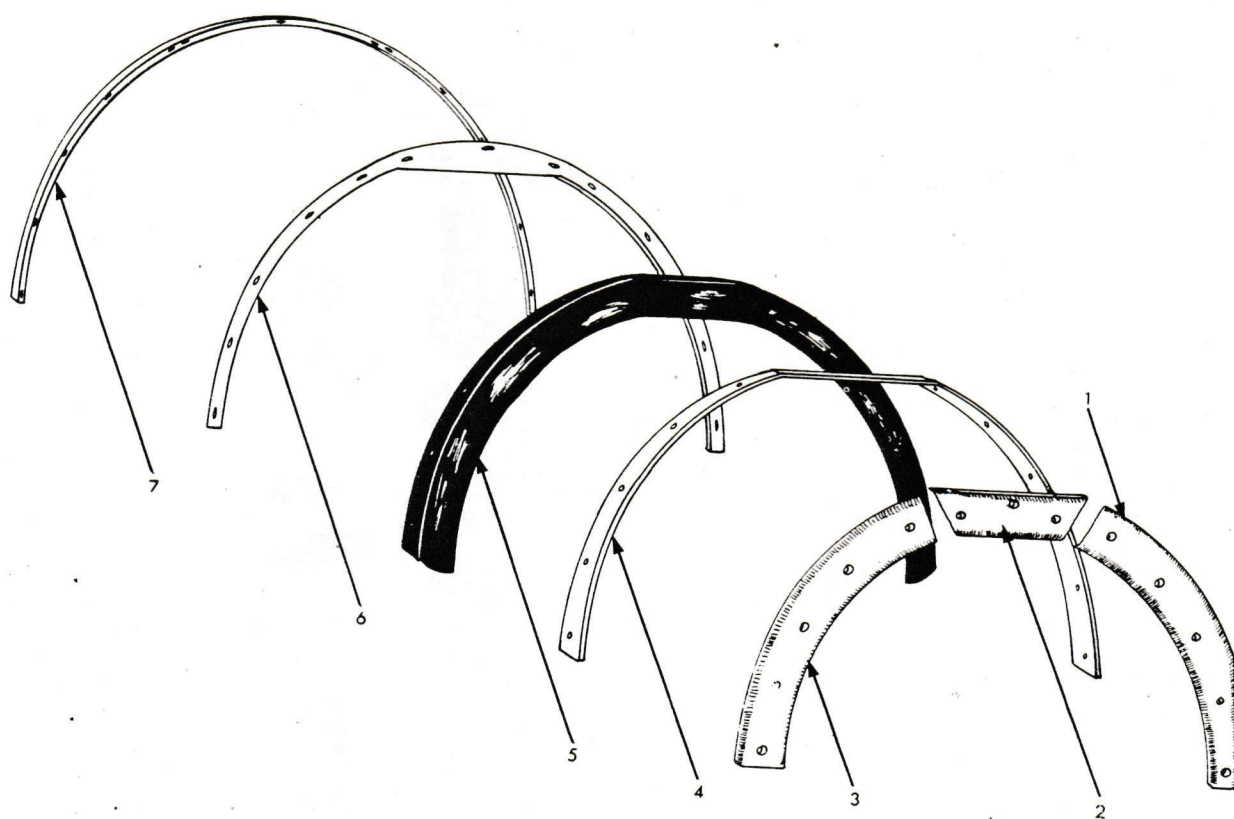


PLATE 3 - 98: FENDER ASSEMBLY



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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 3-73		FENDERS 3.2301	
	3A-23-8	Fender Assembly - Rear	2
	3A-23-2	Angle - Curved	2
35	3A-23-5	Straight Section - Center	2
36	3A-23-9	Curved Section - L.H. Front of Rear & R.H. Rear of Rear Wheel	2
37	3A-23-10	Curved Section - R.H. Front of Rear & L.H. Rear of Rear Wheel	2
	N.P.N.	Screw - 5/16 - 18 x 3/4 O.H. Ph. Mach. Al. Cl. Anodized	26
	N.P.N.	Nut - 5/16 - 18 Hex. Steel Cad. Plated	26
	N.P.N.	Washer - Flat 5/16 SAE Steel Cad. Plated	26
Plate 3-98	N.P.N.	Washer - Lock 5/16 Med. Steel Cad. Plated and Treated	26
	3C-23-1	Fender Assy. - Rear, With Rubber Fender (Optional)	2
	3C-23-33	Fender Assy. - L.H. Front, With Rubber Fender	1
	3C-23-12	Fender Assy. - R.H. Front, With Rubber Fender	1
	3A-23-17	Fender Assy. - L.H. Front, W/O Rubber Fender	1
	3A-23-18	Fender Assy. - R.H. Front, W/O Rubber Fender	1
	3C-23-13	Curved Section - L.H. Front of Front Wheel	1
1	3C-23-14	Curved Section - R.H. Front of Front Wheel	1
2	3A-23-5	Straight Section	2
3	3A-23-3	Curved Section - R.H. Rear of Front Wheel	1
	3A-23-4	Curved Section - L.H. Rear of Front Wheel	1
7	3A-23-2	Angle - Curved, L.H. & R.H.	2
	N.P.N.	Screw - Mtg. Fender to Angle - 5/16 - 18 x 1 Ph. O. Hd. Machine	26
	N.P.N.	Washer - 5/16	26
	N.P.N.	Nut - 5/16 - 18 Hex. Hd.	26
5	3C-23-7	Fender - Rubber	2
6	3C-23-34	Angle & Strip S/A - Rubber Fender Mounting	2
4	3C-23-6	Strip - Rubber Retaining	2
	N.P.N.	Cap Screw - Mtg. Rubber - 1/4 - 20 x 1 "	34
	N.P.N.	Nut - 1/4 - 20	34
	N.P.N.	Star Washer - 1/4"	34
	N.P.N.	Lockwasher - 1/4"	34
	N.P.N.	Flat Washer - 1/4"	34
	N.P.N.	Screw - Fastening Fender to Body - #10-24 x 3/4 Ph. T. Hd.	34
		TOWHOOKS 3.2401	
	3A-24-10	Towhooks - Front - L.H. & R.H.	2
	N.P.N.	Bolt - Front Towhooks - 3/8 x 1 1/4 N.F. Slotted Rd. Head	12
	N.P.N.	Nut - Towhook Bolt 3/8 N.F.	12
	N.P.N.	Lockwasher - 3/8	12
	3B-24-1	Tie Bar - Front of Rear Bumper	1
	3C-24-1	Bracket - Tow Hook Reinforcing	4
	N.P.N.	Capscrew - 3/8 x 1 1/2 Slotted	8

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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>DESTINATION SIGN ASSEMBLY</u>	
	3C-25-6	Destination Sign Box Assy. - Complete	1
	3C-25-5	Sign Box S/A - Less Hinge	1
	3C-25-22	Panel S/A - Sign Box Door	1
	3C-25-25	Panel - Inspection Hole Cover	1
	3A-25-30	End Plate S/A - Roller Mtg. - R.H.	1
	3A-25-12	End Plate S/A - Roller Mtg. - L.H.	1
	3C-25-20	Panel - Inner Lights Mtg.	1
	3C-25-21	Angle - Inner Panel Mtg.	1
	3C-25-2	Cable S/A - Door Retaining	1
	3A-25-45	Hinge Only - Sign Box Door	1
	3C-25-10	Seal S/A - Sign Box	1
	3C-25-3	Kit - Sign Box Mechanism	1
	3C-25-17	Clip - Roller Retaining	2
	3C-25-18	Knob - Inspection Hole Cover	1
	N.P.N.	Screw - #10 - 24 X 3/8 T. Hd. Machine	1
	7C-12-224	Harness S/A - Dest. Sign	1
	7C-12-226	Jumper - Dest. Sign Ground	1
	3A-25-9	U-Channel - Panel Inner - 39 1/2" Rubber	1
	3C-25-9	Boot S/A - Crank Outlet Closing	1
	3C-25-10	Seal S/A - Dest. Sign Box Door Top	1
	3C-25-13	Seal - On Roof Bow, Vertical Sides of Door	2
	3B-25-38	Glass - Dest. Sign	1
	3A-25-89	Weatherstrip - Dest. Sign Glass	1
	3A-25-90	Filler Strip - Dest. Sign Glass	1
	3C-25-19	Angle - Mechanism Spacing	1
	3B-25-9	Plate - Air Exhaust Mechanism Hole Cover	1



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KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 3-80		L.H. HORIZONTAL SLIDING SIDE BODY WINDOW 3.2701	
1	3C-27-245	Horizontal Sliding Sash Assembly - Complete	1
2	3C-27-246	Frame Assembly	1
3	3C-27-247	Sash Unit - Front Sliding	1
4	3C-27-248	Sash Unit - Rear Sliding	1
5	3C-27-249	Tie Bar Assembly	1
6	3C-27-78	Hinge Assembly	3
7	3C-27-250	Frame Rail - Top	1
8	3C-27-228	Frame Rail - Side	1
9	3C-27-251	Frame Rail - Curved	1
10	3C-27-31	Seal Rubber - R-596 - Side	1
11	3C-27-89	Seal Rubber - R-596 - Top	1
12	3C-27-129	Seal Rubber - R-596 - Curved	1
13	3C-27-252	Tie Bar - Less Rubber Bumper	1
14	3C-27-30	Rubber Bumper - Tie Bar	2
15	3C-27-231	Machine Screw - #8-32x3/8 Phillips Binding Hd. Stn. Steel	4
16	3C-27-232	Leaf - Lower Hinge	6
17	3C-27-79	Leaf - Upper Hinge	3
18	3C-27-233	Hinge Pins	3
19	3C-27-77	Machine Screw - #8-32x5/16 Phillips Truss Hd. Stn. Steel	12
20	3C-27-234	Machine Screw - #10-24x3/8 Phillips Truss Hd. Stainless Steel (Pin Screws)	6
21	3C-27-39	Spacers - Nylon	5
22	3C-27-37	Felt - 1/4" x 1/2" x 1 1/4"	2
23	3C-27-38	Keeper - Release Bar	1
24	3C-27-236	Keeper - Release Bar - (Front)	1
25	3C-27-253	Keeper - Release Bar - (Rear)	1
26	3C-27-237	Rivet - Special Round Head Aluminum - For Release Bar Kpr.	8
27	3C-27-238	Keeper - Front (On Frame)	1
28	3C-27-239	Keeper - Rear (On Frame)	1
29	3C-27-240	Machine Screw - #6-32x3/8 Phillips Flat Head Stainless Steel (Keeper Screws)	4
30	3C-27-241	Machine Screw - #6-32x1/2 Round Head Stainless Steel (Frame Corners)	9
31	3C-27-117	Sash Stop - Front	1
32	3C-27-118	Sash Stop - Rear	1
	3C-27-279	Nylon Shoe - Top and Bottom of Side Sliding Sash	4
		NOTE: 4 Nylon Shoes Required per Each Sliding Sash Assy.	

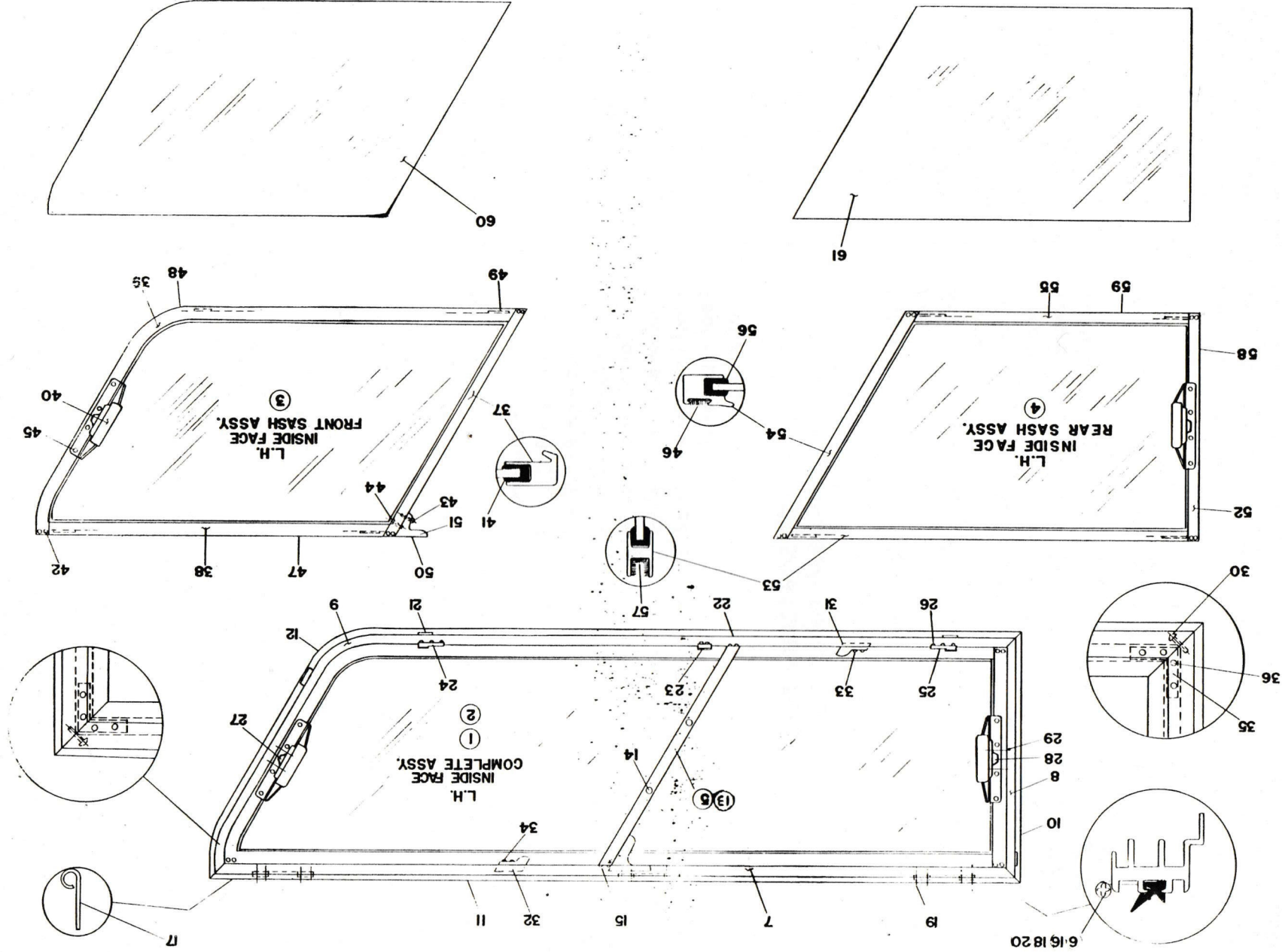


PLATE 3-80 *1&3 L.H. SIDE BODY WINDOW



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KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 3-80		#1 & #3 L.H. HORIZONTAL SLIDING SIDE BODY WINDOW (Cont'd) 3.2702	
33	3C-27-53	Machine Screw - #8-32x1/2 Phillips Oval Head Stainless Steel (Front Stop)	2
34	3C-27-46	Machine Screw - #8-32x1 Phillips Binding Head Stainless Steel (Rear Stop)	2
35	3C-27-44	Corner Plate	3
36	3C-27-45	Rivets - Mone! "Pop" MD 630 BS	12
37	3C-27-254	Rail - #2987 - Side	1
38	3C-27-96	Rail - #2985 - Top	1
39	3C-27-255	Rail - #2985 - Curved	1
40	3C-27-242	Lock - #1876-A	2
41	3C-27-98	Glazing Rubber - R-598	1
42	3C-27-60	Machine Screw - #8-32x1/2 Phillips Truss Hd. Stain. Steel	14
43	3C-27-61	Machine Screw - #6-32x3/4 Phillips Oval Head Stainless Steel (Shoe Support)	1
44	3C-27-243	Machine Screw - #6-32x1 Phillips Flat Head Stainless Steel (Shoe Support)	1
45	3C-27-64	Screw - #8x3/8 Ph. Binding Hd. Stn. Stl. Sheet Metal "Z"	8
46	3C-27-57	Weather Strip - N-107 - 31" Long	1
47	3C-27-100	Weather Strip - G-117 - Top	1
48	3C-27-101	Weather Strip - G-117 - Curved	1
49	3C-27-279	Wear Plates - Nylon - (Top and Bottom)	8
50	3C-27-67	Wear Shoe - Nylon	1
51	3C-27-68	Shoe Support	1
52	3C-27-69	Rail - #2985 Side	1
53	3C-27-102	Rail - #2985 Top	1
54	3C-27-135	Rail - #2986 Side	1
55	3C-27-104	Rail - #2985 Bottom	1
56	3C-27-244	Glazing Rubber - R598	1
57	3C-27-105	Weather Strip - G-117 - Top	1
58	3C-27-75	Weather Strip - G-117 - Side	1
59	3C-27-106	Weather Strip - G-117 - Bottom	1
60	3C-27-136	Glass - #1 and #5 L.H.	1
61	3C-27-137	Glass - #2 and #6 L.H.	1

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KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 3-81		#2 & #4 L.H. HORIZONTAL SLIDING SIDE BODY WINDOW 3.2703	
1	3C-27-263	Horizontal Sliding Sash Assembly - Complete	1
2	3C-27-264	Frame Assembly	1
3	3C-27-265	Sash Unit - Front Sliding	1
4	3C-27-266	Sash Unit - Rear Sliding	1
5	3C-27-267	Tie Bar Assembly	1
6	3C-27-78	Hinge Assembly	3
7	3C-27-268	Frame Rail - Top	1
8	3C-27-261	Frame Rail - Side	1
9	3C-27-269	Frame Rail - Bottom	1
10	3C-27-31	Seal Rubber - R-598 - Side	1
11	3C-27-270	Seal Rubber - R-598 - Curved	1
12	3C-27-271	Seal Rubber - R-598 - Bottom	1
13	3C-27-272	Tie Bar (Less Rubber Bumper)	1
14	3C-27-30	Rubber Bumper	2
15	3C-27-231	Machine Screws - #8-32x3/8 Phillips Binding Hd. Stain. Steel	4
16	3C-27-232	Leaf - Lower Hinge	6
17	3C-27-79	Leaf - Upper Hinge	3
18	3C-27-233	Hinge Pins	3
19	3C-27-77	Machine Screw - #8-32x5/16 Phillips Truss Head Stainless Steel (Leaf Screws)	12
20	3C-27-234	Machine Screw - #10-24x3/8 Phillips Truss Hd. Stainless Steel (Pin Screws)	6
21	3C-27-39	Nylon Spacers	5
22	3C-27-37	Felt - 1/4" x 1/2" x 1 1/4"	2
23	3C-27-38	Keeper - Release Bar	1
24	3C-27-236	Keeper - Release Bar (Front)	1
25	3C-27-235	Keeper - Release Bar (Rear)	1
26	3C-27-237	Rivet - Special Round Head Aluminum - For Release Bar Kpr.	8
27	3C-27-238	Keeper - Front (On Frame)	1
28	3C-27-239	Keeper - Rear (On Frame)	1
29	3C-27-240	Machine Screws - #6-32x3/8 Phillips Flat Head Stainless Steel (Keeper Screws)	4
30	3C-27-241	Machine Screws - #6-32x1/2 Round Head Stainless Steel (Frame Corners)	3
31	3C-27-117	Sash Stop - Front	1
32	3C-27-118	Sash Stop - Rear	1

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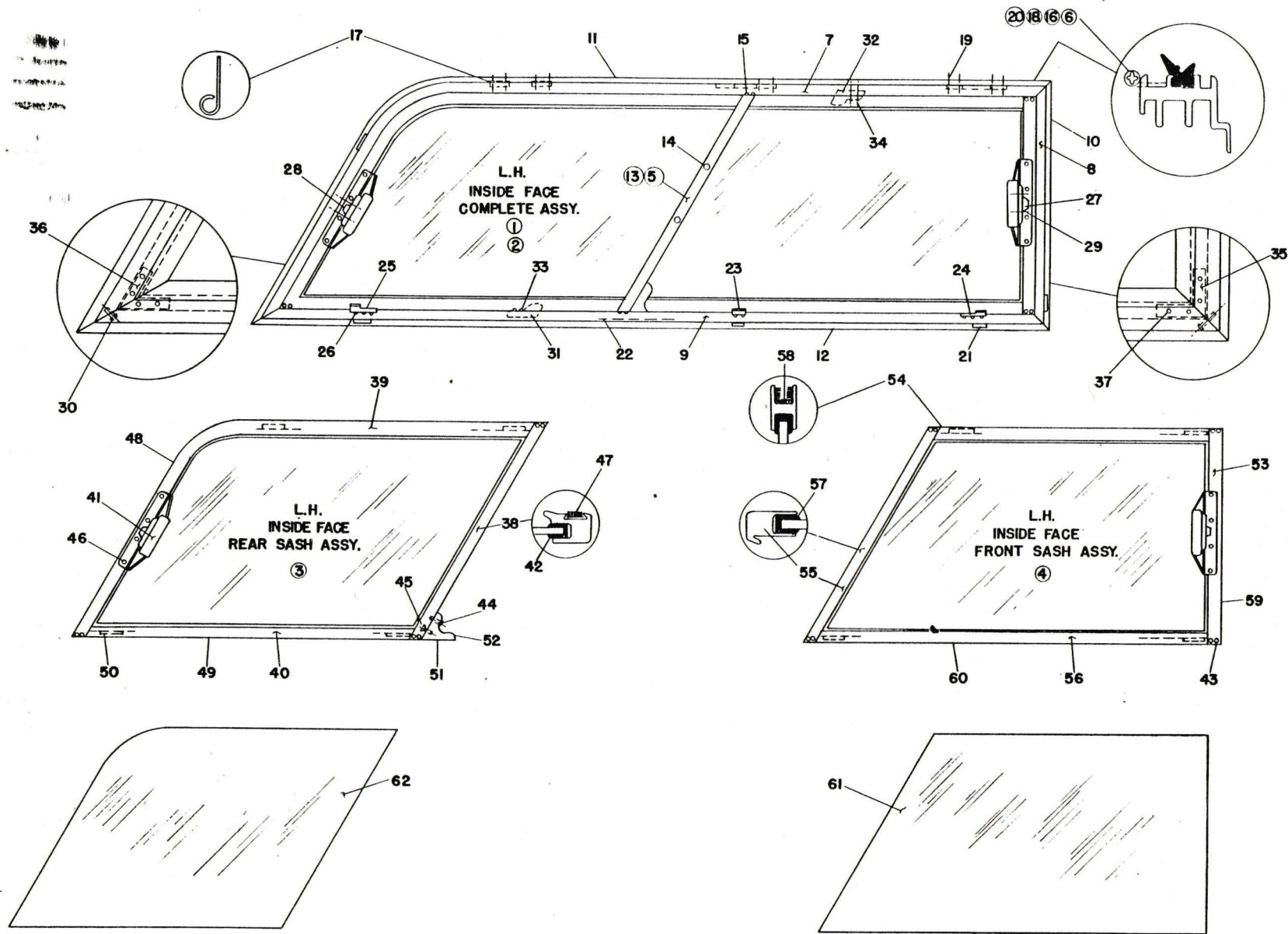


PLATE 3-81 #284 L.H. SIDE BODY WINDOW

Challenger**PARTS MANUAL**

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 3-81		#2 & #4 L.H. HORIZONTAL SLIDING SIDE BODY WINDOW (Cont'd) 3.2704	
33	3C-27-53	Machine Screw - #8-32x1/2" Phillips Oval Head Stainless Steel (Front Stop)	2
34	3C-27-46	Machine Screw - #8-32x1" Phillips Binding Head Stainless Steel (Rear Stop)	2
35	3C-27-44	Corner Plate	2
36	3C-27-48	Corner Plate	1
37	3C-27-45	Rivets - Monel "Pop" MD 630 BS	12
38	3C-27-119	Rail - #2986 Side - (Sash)	1
39	3C-27-120	Rail - #2985 Top (Curved)	1
40	3C-27-56	Rail - #2985 Bottom	1
41	3C-27-242	Lock - #1876-A	2
42	3C-27-58	Glazing Rubber - R-598	1
43	3C-27-60	Machine Screw - #8-32x1/2 Phillips Truss Head Stainless Steel (Sash Frame)	14
44	3C-27-61	Machine Screw - #6-32x3/4 Phillips Oval Head Stainless Steel (Shoe Support)	1
45	3C-27-62	Machine Screw - #6-32x3/4 Phillips Flat Head Stainless Steel (Shoe Support)	1
46	3C-27-64	Screw - #8 x 3/8 Phillips Binding Head Stainless Steel Sheet Metal "Z"	8
47	3C-27-57	Weather Strip - N-107 - 31" Long	1
48	3C-27-65	Weather Strip - G-117 Curved	1
49	3C-27-66	Weather Strip - G-117 Bottom	1
50	3C-27-279	Wear Plates - Nylon (Top and Bottom)	8
51	3C-27-67	Wear Shoe - Nylon	1
52	3C-27-68	Shoe Support	1
53	3C-27-69	Rail - #2985 Side	1
54	3C-27-70	Rail - #2985 Top	1
55	3C-27-121	Rail - #2987 Side	1
56	3C-27-72	Rail - #2985 Bottom	1
57	3C-27-73	Glazing Rubber - R-598	1
58	3C-27-74	Weather Strip - G-117 - At Top	1
59	3C-27-75	Weather Strip - G-117 - At Side	1
60	3C-27-76	Weather Strip - G-117 - At Bottom	1
61	3C-27-122	Glass - #3 & #7 L.H.	1
62	3C-27-123	Glass - #4 & #8 L.H.	1



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KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 3-82		#1 & #3 R.H. HORIZONTAL SLIDING SIDE BODY WINDOW 3.2705	
1	3C-27-222	Horizontal Sliding Sash Assembly - Complete	1
2	3C-27-223	Frame Assembly	1
3	3C-27-224	Sash Unit - Front Sliding	1
4	3C-27-225	Sash Unit - Rear Sliding	1
5	3C-27-226	Tie Bar Assembly	1
6	3C-27-78	Hinge Assembly	3
7	3C-27-227	Frame Rail - Top	1
8	3C-27-228	Frame Rail - Side	1
9	3C-27-229	Frame Rail - Curved	1
10	3C-27-31	Seal Rubber - R-596 - Side	1
11	3C-27-89	Seal Rubber - R-596 - Top	1
12	3C-27-98	Seal Rubber - R-596 - Curved	1
13	3C-27-230	Tie Bar - Less Rubber Bumper	1
14	3C-27-30	Rubber Bumper (Tie Bar)	2
15	3C-27-231	Machine Screw - #8-32x3/8 Phillips Binding Head Stain. Steel	4
16	3C-27-232	Leaf - Lower Hinge	6
17	3C-27-79	Leaf - Upper Hinge	3
18	3C-27-233	Hinge Pins	3
19	3C-27-77	Machine Screw - #8-32x5/16 Phillips Truss Head Stain. Steel	12
20	3C-27-234	Machine Screw - #10-24x3/8 Phillips Truss Head Stain. Steel (Pin Screws)	6
21	3C-27-39	Spacers - Nylon	5
22	3C-27-37	Felt - 1/4" x 1/2" x 1 1/4"	2
23	3C-27-38	Keeper - Release Bar	1
24	3C-27-235	Keeper - Release Bar (Front)	1
25	3C-27-236	Keeper - Release Bar (Rear)	1
26	3C-27-237	Rivets - Special Round Head Aluminum - Release Bar Keeper	8
27	3C-27-238	Keeper - Front (On Frame)	1
28	3C-27-239	Keeper - Rear (On Frame)	1
29	3C-27-240	Machine Screw - #6-32x3/8 Phillips Flat Head Stainless Steel (Keeper Screws)	4
30	3C-27-241	Machine Screws - #6-32x1/2 Round Head Stainless Steel (Frame Corners)	9
31	3C-27-51	Sash Stop - Front	1
32	3C-27-52	Sash Stop - Rear	1
33	3C-27-53	Machine Screw - #8-32x1/2 Phillips Oval Head Stainless Steel (Front Stop)	2

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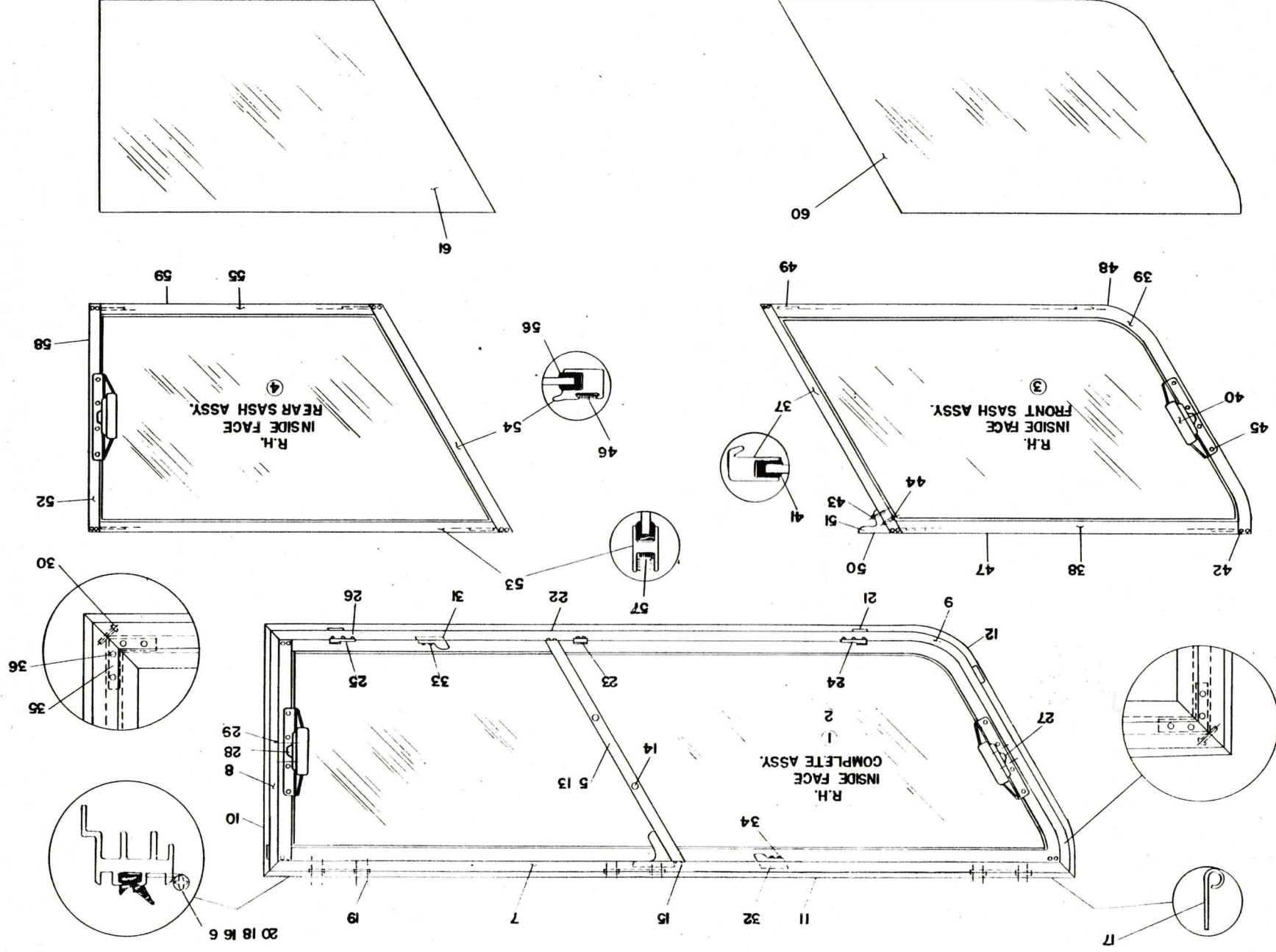


PLATE 3-82 #183 R.H. SIDE BODY WINDOW

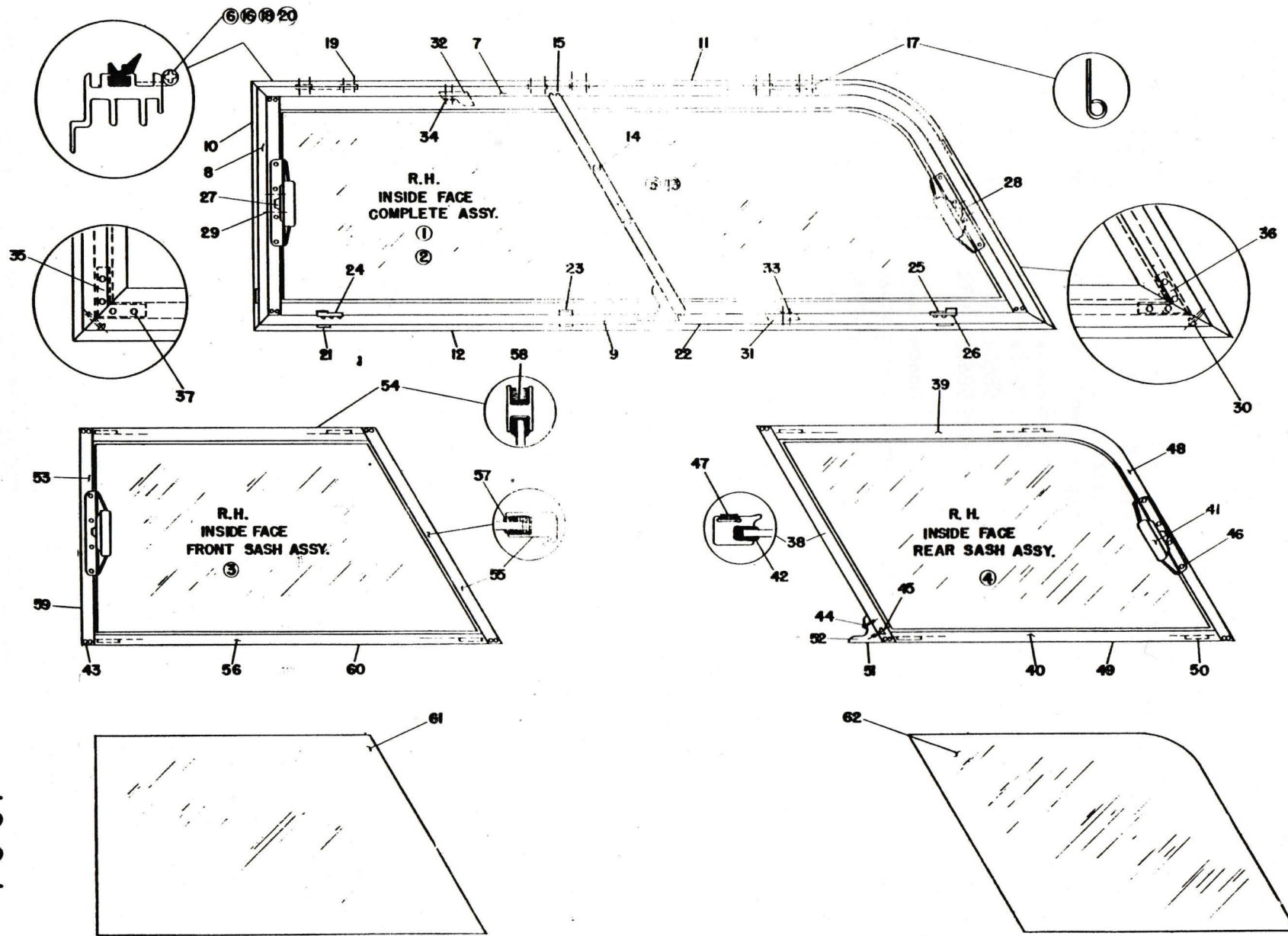


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KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 3-82		#1 & #3 R.H. HORIZONTAL SLIDING SIDE BODY WINDOW (Cont'd) 3.2706	
34	3C-27-46	Machine Screw - #8-32x1 Phillips Binding Head Stainless Steel (Rear Stop)	2
35	3C-27-44	Corner Plate	3
36	3C-27-45	Rivets - Mone! "Pop" MD 630 BS	12
37	3C-27-95	Sash Rail - #2987 - Side	1
38	3C-27-96	Top Rail - #2985	1
39	3C-27-97	Curved Rail - #2985	1
40	3C-27-242	Lock - #1876-A	2
41	3C-27-98	Glazing Rubber - R-598	1
42	3C-27-60	Machine Screws - #8-32x1/2 Phillips Truss Hd. Stain. Steel	14
43	3C-27-61	Machine Screws - #6-32x3/4 Phillips Oval Head Stainless Steel (Shoe Support)	1
44	3C-27-243	Machine Screw - #6-32x1" Phillips Flat Head Stainless Steel (Shoe Support)	1
45	3C-27-64	Machine Screw - #8 x 3/8 Phillips Binding Head Stainless Steel Sheet Metal "Z"	8
46	3C-27-57	Weather Strip - N-107 - 31" Long	1
47	3C-27-100	Weather Strip - G-117 - Top	1
48	3C-27-101	Weather Strip - G-117 - Curved Rail	1
49	3C-27-279	Wear Plates - Nylon (Top and Bottom)	8
50	3C-27-67	Wear Shoe - Nylon	1
51	3C-27-68	Shoe Support	1
52	3C-27-69	Rail - #2985 Side	1
53	3C-27-102	Rail - #2985 Top	1
54	3C-27-103	Rail - #2986 Side	1
55	3C-27-104	Rail - #2985 Bottom	1
56	3C-27-244	Glazing Rubber - R-598	1
57	3C-27-105	Weather Strip - G-117 - Top	1
58	3C-27-75	Weather Strip - G-117 - Side	1
59	3C-27-106	Weather Strip - G-117 - Bottom	1
60	3C-27-107	Glass - #1 & #5 - R.H.	1
61	3C-27-108	Glass - #2 & #6 - R.H.	1



2&4 R.H. SIDE BODY WINDOW
(USED WITHOUT LAVATORY)



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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 3-83		#2 & #4 R.H. HORIZONTAL SLIDING SIDE BODY WINDOW (WITHOUT LAVATORY ONLY) 3.2707	
1	3C-27-256	Horizontal Sliding Sash Assembly - Complete - #2 & #4 R.H.	1
2	3C-27-257	Frame Assembly	1
3	3C-27-258	Sash Unit - Front Sliding	1
4	3C-27-259	Sash Unit - Rear Sliding	1
5	3C-27-226	Tie Bar Assembly	1
6	3C-27-78	Hinge Assembly	3
7	3C-27-260	Frame Rail - Top	1
8	3C-27-261	Frame Rail - Side	1
9	3C-27-262	Frame Rail - Bottom	1
10	3C-27-31	Seal Rubber - R-596 - Side	1
11	3C-27-32	Seal Rubber - R-596 - Curved	1
12	3C-27-33	Seal Rubber - R-596 - Bottom	1
13	3C-27-230	Tie Bar (Less Rubber Bumper)	1
14	3C-27-30	Rubber Bumper	2
15	3C-27-231	Machine Screws - #8-32x3/8 Phillips Binding Hd. Stain. Steel	4
16	3C-27-232	Leaf - Lower Hinge	6
17	3C-27-79	Leaf - Upper Hinge	3
18	3C-27-233	Hinge Pins	3
19	3C-27-77	Machine Screws - #8-32x5/16 Phillips Truss Head Stain. Steel (Leaf Screws)	12
20	3C-27-234	Machine Screws - #10-24x3/8 Phillips Truss Head Stain. Steel (Pin Screws)	6
21	3C-27-39	Nylon Spacers	5
22	3C-27-37	Felt - 1/4" x 1/2" x 1 1/4"	2
23	3C-27-38	Keeper - Release Bar	1
24	3C-27-235	Keeper - Release Bar (Front)	1
25	3C-27-236	Keeper - Release Bar (Rear)	1
26	3C-27-237	Rivers - Special Round Head Aluminum - For Release Bar Keeper	8
27	3C-27-238	Keeper - Front (On Frame)	1
28	3C-27-239	Keeper - Rear (On Frame)	1
29	3C-27-240	Machine Screws - #6-32x3/8 Phillips Flat Head Stain. Steel (Keeper Screws)	4
30	3C-27-241	Machine Screws - #6-32x1/2 Round Head Stainless Steel (Frame Corners)	3
31	3C-27-51	Sash Stop - Front	1
32	3C-27-52	Sash Stop - Rear	1

PARTS MANUAL

MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 3-83		#2 & #4 R.H. HORIZONTAL SLIDING SIDE BODY WINDOW (Cont'd) (WITHOUT LAVATORY ONLY) 3.2708	
33	3C-27-53	Machine Screws - #8 - 32 x 1/2" Phillips Oval Head St. Stl. (Front Stop)	2
34	3C-27-46	Machine Screws #8 - 32 x 1" Phillips Binding Head St. Stl. (Rear Stop)	2
35	3C-27-44	Corner Plates	2
36	3C-27-48	Corner Plate	1
37	3C-27-45	Rivets - Monel "Pop" MD 630 BS	12
38	3C-27-54	Rail - #2986 - Side (Sash)	1
39	3C-27-55	Rail - #2985 - Top (Curved)	1
40	3C-27-56	Rail - #2985 - Bottom	1
41	3C-27-242	Lock #1876 - A	2
42	3C-27-58	Glazing Rubber - R - 598	1
43	3C-27-60	Machine Screws - #8 - 32 x 1/2 Phillips Truss Head Stainless Steel (Sash Frame)	14
44	3C-27-61	Machine Screws - #6-32 x 3/4 Phillips Oval Head Stainless Steel (Shoe Support)	1
45	3C-27-62	Machine Screws - #6 - 32 x 3/4 Phillips Flat Head Stainless Stl. (Shoe Support)	1
46	3C-27-64	Screw - #8 x 3/8 Ph. Binding Head Stainless Steel Sheet Metal "Z"	8
47	3C-27-57	Weather Strip - N-108-31" Long	1
48	3C-27-65	Weather Strip - G - 117 - Curved	1
49	3C-27-66	Weather Strip - G-117 - Bottom	1
50	3C-27-279	Wear Plates - Nylon (Top and Bottom)	8
51	3C-27-67	Wear Shoe - Nylon	1
52	3C-27-68	Shoe Support	1
53	3C-27-69	Rail - #2985 Side	1
54	3C-27-70	Rail - #2985 Top	1
55	3C-27-71	Rail - #2987 Side	1
56	3C-27-72	Rail - #2985 Bottom	1
57	3C-27-73	Glazing Rubber - R-598	1
58	3C-27-74	Weather Strip - G - 117 - At Top	1
59	3C-27-75	Weather Strip - G - 117 - At Side	1
60	3C-27-76	Weather Strip - G - 117 - At Bottom	1
61	3C-27-80	Glass - #3 & #7 R.H.	1
62	3C-27-84	Glass - #4 & #8 R.H. NOTE #8 R.H. Used without Lavatory	1

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MODEL MC-5A & MCC-5A

Challenger**PARTS MANUAL**

KEY	PART NUMBER	DESCRIPTION	QTY.
	<u>NOTE:</u>	<u>Effective Coaches Serial #'s 5101, Etc.</u>	
		#4	
Plate		R.H. HORIZONTAL SLIDING	
3-84		SIDE BODY WINDOW	
		<u>(USED WITH LAVATORY ONLY)</u>	3.2709
1	3C-27-273	Horizontal Sliding Sash Assembly - Complete	1
2	3C-27-257	Frame Assembly	1
3	3C-27-258	Sash Unit - Front Sliding	1
4	3C-27-274	Sash Unit - Rear Sliding	1
5	3C-27-226	Tie Bar Assembly	1
6	3C-27-78	Hinge Assembly	3
7	3C-27-260	Rail - Frame - Top	1
8	3C-27-261	Rail - Frame - Side	1
9	3C-27-262	Rail - Frame - Bottom	1
10	3C-27-31	Seal Rubber - R-596 - Side	1
11	3C-27-32	Seal Rubber - R-596 - Curved	1
12	3C-27-33	Seal Rubber - R-596 - Bottom	1
13	3C-27-230	Tie Bar	1
14	3C-27-30	Rubber Bumper	2
15	3C-27-231	Machine Screw - #8-32x3/8 Phillips Binding Head Stain. Steel	4
16	3C-27-232	Leaf - Lower Hinge	6
17	3C-27-79	Leaf - Upper Hinge	3
18	3C-27-233	Hinge Pins	3
19	3C-27-77	Machine Screw - #8-32x5/16 Phillips Truss Head Stain. Steel (Leaf Screws)	12
20	3C-27-234	Machine Screw - #10-24x3/8 Phillips Truss Head Stain. Steel (Pin Screws)	6
21	3C-27-39	Spacers - Nylon	5
22	3C-27-37	Felt - 1/4" x 1/2" x 1 1/4"	2
23	3C-27-38	Keepers - Release Bar	1
24	3C-27-235	Keeper - Release Bar (Front)	1
25	3C-27-236	Keeper - Release Bar (Rear)	1
26	3C-27-237	Rivet - Special Round Head Aluminum - For Release Bar Keeper	8
27	3C-27-238	Keeper - Front (On Frame)	1
28	3C-27-239	Keeper - Rear (On Frame)	1
29	3C-27-240	Machine Screw - #6-32x3/8 Phillips Flat Head Stain. Steel (Keeper Screws)	4
30	3C-27-241	Machine Screw - #6-32x1/2 Round Head Stain. Steel (Frame Corners)	3
31	3C-27-51	Sash Stop - Front	1
32	3C-27-52	Sash Stop - Rear	1

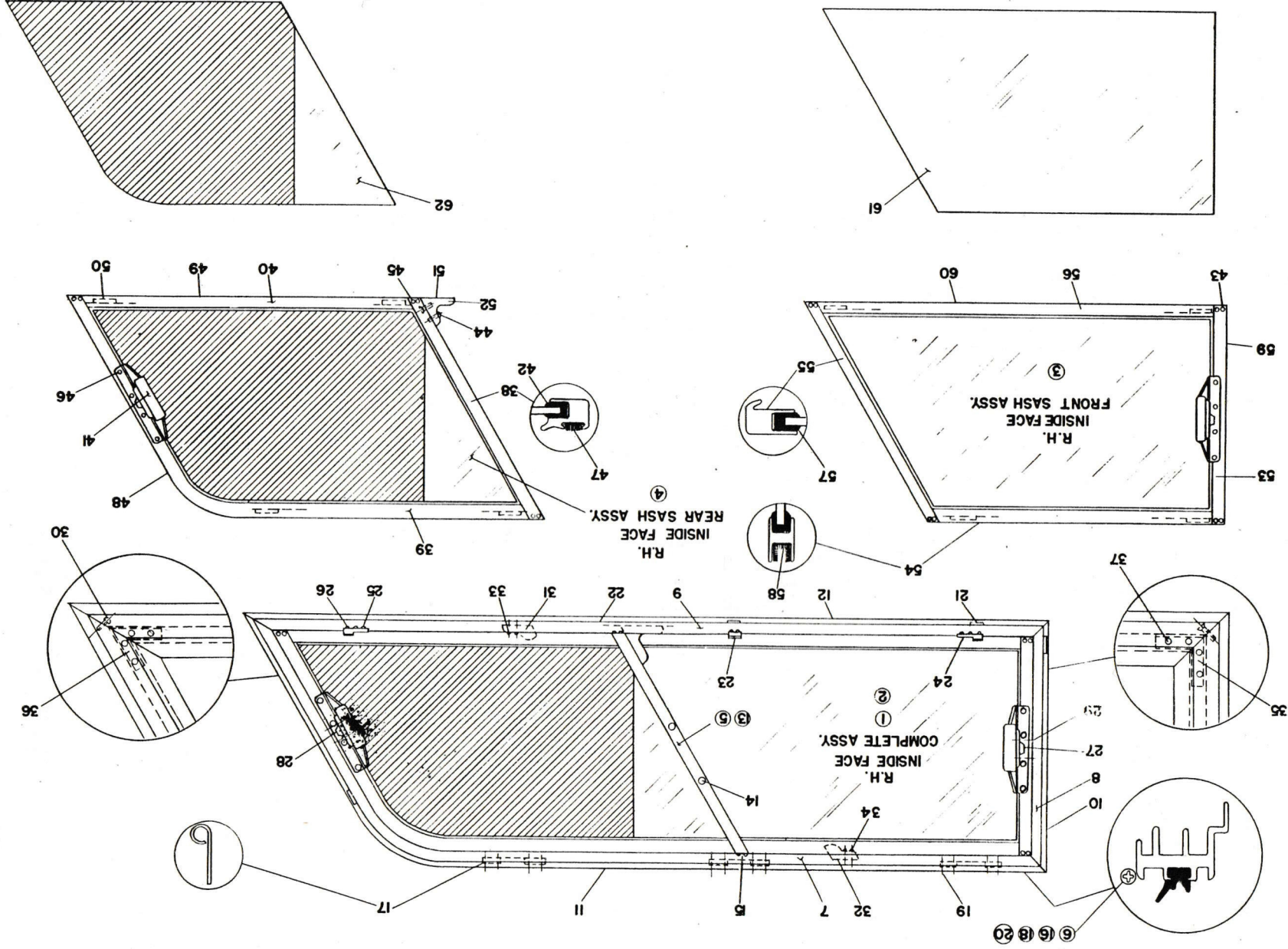


PLATE 3-84 *4 R.H. ONLY - SIDE BODY WINDOW
(USED WITH LAVATORY ONLY)

PARTS MANUAL

MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 3-84		* Effective Prior to Coach Unit No. 5622 ** Effective With Coach Unit No. 5622 #4 R.H. HORIZONTAL SLIDING SIDE BODY WINDOW (Cont'd) (USED WITH LAVATORY ONLY) 3.2710	
33	3C-27-53	Machine Screw - #8-32x1/2 Phillips Oval Head Stain. Steel (Front Stop)	2
34	3C-27-46	Machine Screw - #8-32x1 Phillips Binding Head Stain. Steel (Rear Stop)	2
35	3C-27-44	Corner Plates	2
36	3C-27-48	Corner Plate	1
37	3C-27-45	Rivets - Monel "Pop" MD 630 BS	12
38	3C-27-54	Rail - #2986 - Side (Sash)	1
39	3C-27-55	Rail - #2985 - Top (Curved)	1
40	3C-27-56	Rail - #2985 - Bottom	1
41*	3C-27-242	Lock - #1876-A - Interior	2
42	3C-27-58	Glazing Rubber - R-598	1
43	3C-27-60	Machine Screw - #8-32x1/2 Phillips Truss Head Stain. Steel (Sash Frame)	14
44	3C-27-61	Machine Screw - #6-32x3/4 Ph. Fl. Hd. Stn. Stl. (Shoe Supp't)	3
45	3C-27-62	Machine Screw - #6-32x3/4 Ph. Fl. Hd. Stn. Stl. (Shoe Supp't)	1
46	3C-27-64	Screw - #8 x 3/8 Phillips Binding Hd. Stn. Stl. Sht. Metal "Z"	13
47	3C-27-57	Weather Strip - N-107 - 31" Long	1
48	3C-27-65	Weather Strip - G-117 - Curved	1
49	3C-27-66	Weather Strip - G-117 - Bottom	1
50	3C-27-59	Wear Plate - Nylon (Top & Bottom)	8
51	3C-27-67	Wear Shoe - Nylon	1
52	3C-27-68	Shoe Support	1
53	3C-27-69	Rail - #2985 Side	1
54	3C-27-70	Rail - #2985 Top	1
55	3C-27-71	Rail - #2987 Side	1
56	3C-27-72	Rail - #2985 Bottom	1
57	3C-27-73	Glazing Rubber - R-598	1
58	3C-27-74	Weather Strip - G-117 - At Top	1
59	3C-27-75	Weather Strip - G-117 - At Side	1
60	3C-27-76	Weather Strip - G-117 - At Bottom	1
61	3C-27-80	Glass - #3 & #7 R.H.	1
62	3C-27-81	Glass - #8 R.H. Only - Used With Lavatory Installation	1
**	3C-27-281	Lock Only - Exterior	1
**	3C-27-283	Handle Only - Exterior Sash Lock	1

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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>STORM SASH</u> 3.2711	
	3C-27-218	Glass - Storm - #2, 3, 6 & 7 L.H. and R.H.	8
	3C-27-219	Glass - Storm - #4 & 8 L.H. & R.H.	4
	3C-27-220	Glass - Storm - #1 & 5 L.H. and R.H.	4
	3C-27-221	Glass - Storm - #8 R.H. Only (Lavatory)	1
	11-594	Rubber Extrusion - Retaining Storm Sash - (Specify length req'd)	
	11-595	Lacing - For Rubber Extrusion (Specify Length Req'd)	
Plate 3-77		<u>ENTRANCE DOOR WINDOW</u>	
1	3C-27-171	Entrance Door Window Assembly - Complete	1
2	3C-27-172	Rail - #2981 - Top & Bottom - 28 - 3/4 Long	2
3	3C-27-173	Rail - #2981 - Side - 28" Long	1
4	3C-27-174	Rail - #2982 - Side - 28" Long	1
5	3C-27-175	Glazing Rubber - R - 595	1
6	3C-27-176	Seal Rubber - R - 594 - Top & Bottom	2
7	3C-27-177	Seal Rubber - R - 594 - Sides	2
8	3C-27-153	Screw - #10 - 24 x 5/8 Ph. Round Hd. Stain. Steel Machine	4
9	3C-27-178	Pin - Alignment	8
10	3C-27-179	Glass Unit - BM - 4730	1
	3A-27-12	Sash Seal - Interior (Specify Length)	1
<u>PLATE 3-77</u> ENTRANCE DOOR WINDOW			

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KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 3-78		<u>REAR CENTER WINDOW</u> 3.2712	
1	3C-27-158	Rear Center Window Assembly - Complete	1
2	3C-27-159	Rail - #2984 - Side - 31 - 5/16" Long	1
3	3C-27-160	Rail - #2984 - Bottom - 53 - 5/16" Long	1
4	3C-27-161	Rail - #2984 - Side - 31 - 5/16" Long	1
5	3C-27-162	Seal - R-596 Rubber - Side	1
6	3C-27-163	Seal - R-596 Rubber - Bottom	1
7	3C-27-164	Seal - R-596 Rubber - Side	1
8	3C-27-165	Rail - #2983 - At Top - 53 - 5/16" Long	1
9	3C-27-166	Glazing Rubber - R-597	1
10	3C-27-167	Keeper	2
11	3C-27-168	Screw - #10 - 24 x 1/2 Ph. Flat Head Stain. Steel Machine	4
12	3C-27-169	Screw - #8 - 32 x 5/16 Ph. Flat Hd. Stain. Steel Machine (Inside Only)	8
13	3C-27-77	Screw - #8 - 32 x 5/16 Ph. Truss Head Stain. Steel Machine (Outside Only)	8
14	3C-27-170	Glass - Center Window	1
	3A-27-348	Rubber Hinge	1
	3A-27-469	Retainer	1
		<u>RELEASE BAR - REAR CENTER WINDOW</u>	
	3C-27-13	Sash Release Bar Assembly - Rear Center Window	1
	3C-27-14	Bar Only	1
	3A-27-19	Catch Only	2

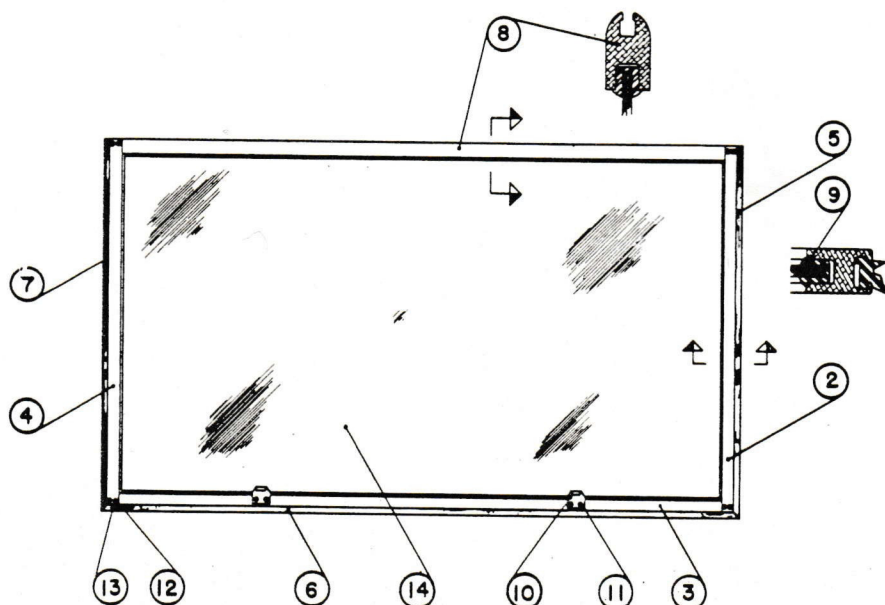


PLATE 3-78

REAR WINDOW

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MODEL MC - 5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 3-76		FRONT SIDE TRIANGULAR WINDOWS 3.2713	
1	3C-27-287	Front Side Window Assembly - R.H. Triangular (Gray Seal)	1
2	3C-27-286	Front Side Window Assembly - L.H. Triangular (Gray Seal)	1
	3C-27-310	Front Side Window Assembly - R.H. Triangular (Black Seal)	1
	3C-27-311	Front Side Window Assembly - L.H. Triangular (Black Seal)	1
3	3C-27-143	Rail Side - #2981 - R.H.	1
4	3C-27-144	Rail Side - #2981 - L.H.	1
5	3C-27-145	Rail Bottom - #2981 - R.H. - 20 - 5/8"	1
6	3C-27-146	Rail Bottom - #2981 - L.H. - 20 - 5/8"	1
7	3C-27-147	Rail Side - #2981 - R.H. - 28 - 25/32"	1
8	3C-27-148	Rail Side - #2981 - L.H. - 28 - 25/32"	1
9	3C-27-149	Seal Rubber - R-594 Frame - Side	2
10	3C-27-150	Seal Rubber - R-594 Frame - Bottom	2
11	3C-27-152	Seal Rubber - R-594 Frame - Side	2
12	3C-27-153	Screw - #10 - 24 x 5/8 Ph. Round Hd. Stain. Steel Machine	3
13	3C-27-154	Pin - Alignment	6
14	3C-27-290	Glazing Rubber - R-595 Gray	1
15	3C-27-289	Glass Unit - R.H.	1
16	3C-27-288	Glass Unit - L.H.	1
	3C-27-317	Glazing Rubber - Black	1

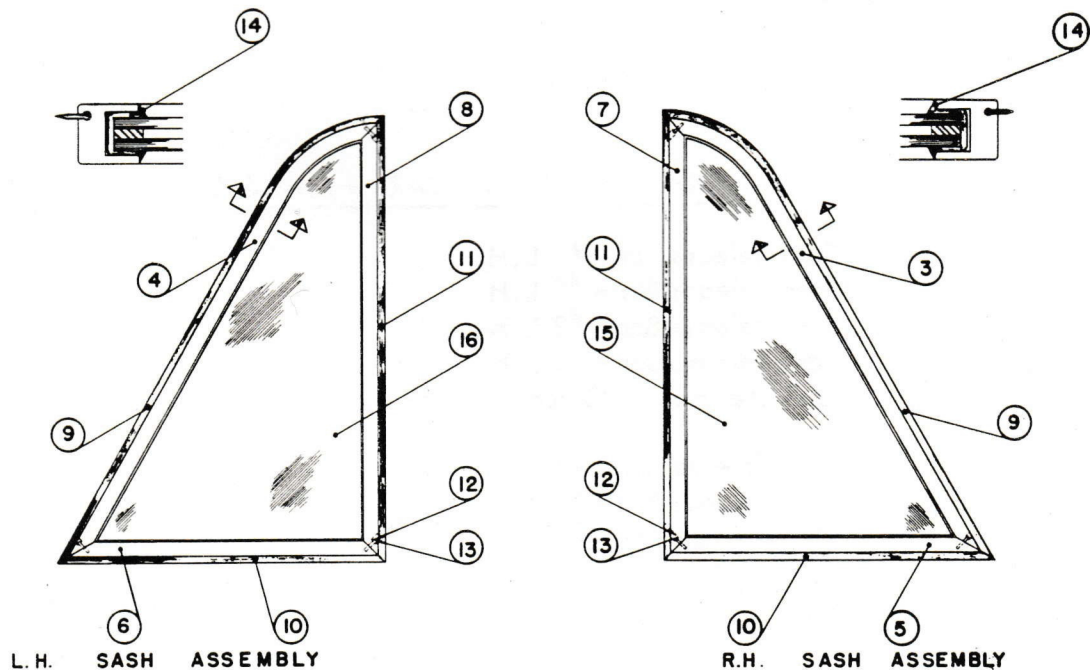


PLATE 3-76 FRONT SIDE WINDOW

Challenger**PARTS MANUAL**

KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>REAR CORNER WINDOWS</u> 3.2714	
	3A-27-332	Rear Corner Window Sash Assembly - L.H.	1
	3A-27-334	Glass Only	1
	3A-27-304	U-Channel - 1/16" Groove Sponge (Specify Length)	
	3A-27-302	Weatherstrip - (Specify Length)	
	11-595	Filler Strip - For Weatherstrip (Specify Length)	
	3A-27-333	Rear Corner Window Sash Assembly - R.H.	1
	3A-27-335	Glass Only	1
	3A-27-304	U-Channel - 1/16" Groove - (Specify Length)	
	11-595	Filler Strip - For Weatherstrip - (Specify Length)	
	3A-27-303	U-Channel - 13/64" Groove - Outer Corner (Specify Length)	
	3A-27-302	Weatherstrip - (Specify Length)	
		<u>DESTINATION SIGN GLASS</u>	
	3C-25-56	Glass - Destination Sign	1
		<u>WINDSHIELD</u>	
	3A-27-300	Glass Unit - L.H. Windshield	1
	3A-27-301	Glass Unit - R.H. Windshield	1
	3A-27-303	U-Channel - Gray Sponge (Specify Length)	A.R.
	3C-27-294	U-Channel - Black Sponge (Specify Length)	A.R.
	3C-27-284	Weatherstrip - Gray	2
	3C-27-293	Weatherstrip - Black	2
	11-595	Filler Strip - Gray (Specify Length)	A.R.
	3C-27-319	Filler Strip - Black (Specify Length)	A.R.
		<u>SIDE SASH RELEASE BARS - L.H. & R.H.</u>	
	3C-27-190	Sash Release Bar - #1 L.H.	1
	3C-27-189	Sash Release Bar - #2 L.H.	1
	3C-27-187	Sash Release Bar - #3 L.H.	1
	3C-27-188	Sash Release Bar - #4 L.H.	1
	3C-27-191	Lock Assembly - (3 Required Per Assembly)	12
	3C-27-186	Sash Release Bar - #1 R.H.	1
	3C-27-185	Sash Release Bar - #2 R.H.	1
	3C-27-182	Sash Release Bar - #3 R.H.	1



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KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>SIDE SASH RELEASE BARS - L.H. & R.H. (Cont'd) 3.2713</u>	
	3C-27-183	Sash Release Bar - #4 R.H.	1
	3C-27-191	Lock Assembly - (3 Required Per Assembly)	12
	3C-27-184	Sash Release Bar - Lavatory Only	1
		<u>STATIONARY TRIM BARS</u>	
	3C-27-205	Trim Bar - Front L.H. Offset	1
	3C-27-206	Trim Bar - Front R.H. Offset	1
	3C-27-207	Trim Bar - #2 & #4 - L.H. & R.H. From Front	4
	3C-27-208	Trim Bar - #3 - L.H. & R.H. From Front	2
	3C-27-209	Trim Bar - #5 - Rear Curved - Short L.H.	1
	3C-27-210	Trim Bar - #5 - Rear Curved - Short R.H. (Without Lavatory)	1
	3C-27-211	Trim Bar - #5 - Rear Curved - Short R. H. (With Lavatory)	1
	3C-27-275	Clip - Crash Bar - Stationary	18
	3C-27-276	Clip - Crash Bar - L.H. Rear	1
	3C-27-277	Clip - Crash Bar - R.H. Rear With Lav.	1
	3C-27-278	Clip - Crash Bar - R.H. Rear Less Lav.	1

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KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>BAGGAGE DOORS</u> 3.2901	
	3C-29-217	Baggage Door Assembly	4
	3C-29-174	Panel - Baggage Door Upper - Exterior	4
	3C-29-176	Panel - Baggage Door Lower - Exterior	4
	3C-29-175	V-Panel - Protective Depression Reinf. Doors	8
	3C-29-196	Panel - Baggage Door Inner	4
	3C-29-162	Z-Channel - Center Horizontal	4
	3C-29-35	Z-Channel - Center Vertical	4
	3C-29-19	Z-Channel - C/W Gusset - L.H. Upper (Viewing Door)	4
	3C-29-20	Z-Channel - C/W Gusset - R.H. Upper (Viewing Door)	4
	3C-29-108	Angle - Door Seal - R.H. Front & L.H. Rear	4
	3C-29-109	Angle - Door Seal - L.H. Front & R.H. Rear	4
	3C-29-110	Seal - Baggage Door Lower - 58" Long (Rubber Ext.)	4
	3C-29-165	Casting - Protective Depression Reinf. Doors	8
	3C-29-168	Casting - Baggage Door Handle Box	4
	3C-29-169	Casting - Door Rod Retaining In Handle Box	4
	3C-29-177	Handle S/A - Baggage Door Control	4
	3C-29-167	Handle - Only - Casting	4
	3C-29-178	Hinge Bracket - Seal Retaining	4
	3C-29-179	Bracket S/A - Mtg. Baggage Door Lock Rod L.H. C/W Nuts	4
	3C-29-181	Bracket S/A - Mtg. Baggage Door Lock Rod R.H. C/W Nuts	4
	3C-29-9	Pin & Washer S/A - Lock Mechanism Hinge	4
	3C-29-55	Rod - Connecting Handle	4
	3C-29-8	Yoke - Handle Attaching	4
	3A-29-16	Spring - Handle	4
	3C-29-46	Rod - Door Locking - Long	4
	3C-29-80	Clamp - Rod Guide	16
	3C-29-85	Bearing - Nylon - Retaining Rod at Handle Box	8
	3C-29-25	Plate - Gusset on Horizontal Channel	8
	3C-29-81	Shim - Rod Guide Clamp	4
	3C-29-220	Channel - Bottom Reinf.	1
	3C-29-219	Retainer - Rubber Seal	1
	3C-29-107	Retainer - For Rubber Hinge - On Baggage Door	2
	3C-29-189	Rubber Hinge	4
	3C-29-98	Retainer & Seal S/A - R.H. Front & L.H. Rear Vertical On Body	4
	3C-29-99	Retainer & Seal S/A - L.H. Front & R.H. Rear Vertical On Body	4
	3C-29-199	Seal S/A	1
	3C-29-198	Seal Only	1
	3C-29-222	Filler Block	1
	3C-29-115	Retainer S/A	1

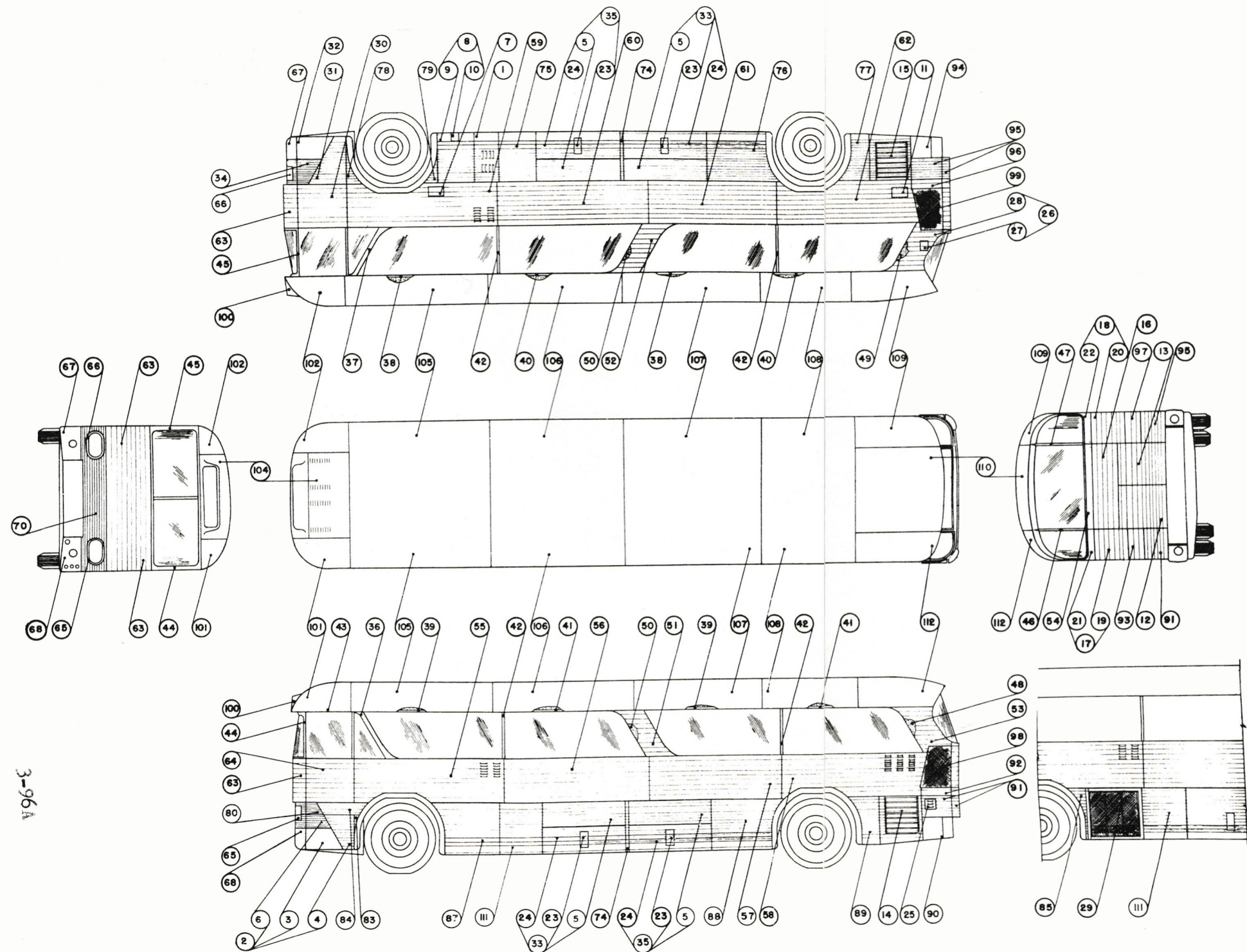


PLATE 3-74 EXTERIOR SERVICE DOORS & PANELS



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KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>BAGGAGE DOORS (Cont'd)</u> 3.2902	
	3C-29-159	Prop. Assy. - C/W Mtg. Bracket - L.H. Rear & R.H. Front	2
	3C-29-152	Mtg. Bracket S/A - L.H. Rear & R.H. Front	2
	3C-29-164	Prop Assy. - C/W Bracket - R.H. Rear & L.H. Front	2
	3C-29-149	Mtg. Bracket S/A - R.H. Rear & L.H. Front	2
	3C-29-215	Striker Assy. - L.H. Front & R.H. Rear	4
	3C-29-208	Base	1
	3C-29-212	Catch	1
	3C-29-213	Shoulder Bolt	1
	3C-29-214	Spring	1
	3C-29-216	Striker Assy. - R.H. Front & L.H. Rear	4
	3C-29-209	Base	1
	3C-29-211	Catch	1
	3C-29-213	Shoulder Bolt	1
	3C-29-214	Spring	1

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KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 3-74		BATTERY DOOR ASSEMBLY 3.3001	
1	3C-30-25	Battery Door Assembly - Complete	1
	3C-30-26	Panel Only - Exterior - 24 Ga. Stainless Steel	1
	3C-30-2	Panel Only - Inner - .051 Aluminum	1
	3C-30-3	Hinge Section - On Door	1
	3C-30-16	Z-Channel - Cross Member Reinforcing	1
	3B-30-9	Pocket - Air Deflector	1
	3C-30-24	V-Panel - Reinf. Protective Depression in Door	1
	3C-29-165	Casting - Reinf. Ends of Ext. Panel Protective Depression	2
	3B-30-3	Rubber Hinge - Approximately 13 1/4" Long	1
	3C-30-13	Spring Catch - Lock Battery Door	1
	3B-30-23	Strip - Reinforcing Spring Catch	1
	3C-30-17	Prop S/A - Battery Door Hold Up - Complete	1
		SIDE FRONT SERVICE DOOR - L.H. 3.3101	
2	3C-31-103	Service Door - Front L.H. Side - Complete	1
	3A-31-86	Panel - Inner Formed	1
3	3A-31-78	Panel - Aluminum Under Bumperette	1
4	3C-31-101	Panel - Outer - Beaded Stainless Steel - C/W Dzus Cup	1
	3A-31-79	Z-Channel - Bumperette Mounting	1
6	3C-31-185	Panel - Beaded - Outer Upper Front Fuse Door	1
	3A-31-89	Strap - Fuse Door Stop	1
	3A-31-90	Clip - Fasten Strap to Body and Door	2
	3A-31-84	Tapping Plate	1
	3C-31-52	Hinge Section - On Door - C/W Pin	2
	3C-21-37	Hat Channel S/A - Bumperette Mtg. - Incl. U-Channel & Spotweld Nut	1
	3A-31-454	Bracket S/A - Front L.H. Side Door Locking C/W Dzus Spring	2
	3A-31-38	Hinge Section - On Body	2
	3A-31-37	Bracket Only - Casting	2
	N.P.N.	Bushing - 6N8D	2
<u>NOTE:</u> For Plate 3-74 Key Reference See Group 3.35 For Nameplates See Group 7.08 For Bumperette See Group 3.21 For Moulding See Group 3.20			



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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 3-74		<u>FUEL COMPARTMENT DOOR</u> 3.3102	
8	3C-31-267	Door Assembly - Fuel Compartment	1
	3C-31-268	Panel S/A - Spotwelded	1
	3C-31-175	Stiffener Angle - Vertical - Front	1
	3C-31-176	Stiffener Angle - Vertical - Rear	1
	3A-31-117	Spring	1
	3C-31-174	V-Panel - Protective Depression Reinforcing	1
	N.P.N.	Rivet - 3/16 X 3/8 B.H. 2 SF Al. Cl. Anod	28
	3C-29-165	Casting - Closing end of V-Panel	2
	N.P.N.	Rivet - 3/16 X 1/2 U.H. 2SF Al. Cl. Anod.	8
		<u>FUEL TANK DRAIN DOOR</u>	
10	3A-31-112	Door Assembly - Fuel Tank Drain (Small)	1
	3A-31-113	Door Only	1
	3A-31-114	Hinge	1
	3A-31-115	Angle - Front	1
	3A-31-116	Angle - Rear	1
	3A-31-117	Spring	1
	3A-31-118	Angle - Spring - Attaching	1
		<u>FUEL FILLER DOOR</u>	
7	3C-31-95	Door Assembly - Fuel Filler - R.H. - C/W Spring	1
	3C-31-94	Door S/A - Spotwelded Section Only	1
	3A-31-132	Spring	1
	3B-33-1	Nameplate - Fuel Tank Capacity	1
		<u>LAVATORY SERVICE PANEL</u>	
11	3C-31-96	Door Assembly - Lavatory Service Panel - R.H. Rear C/W Spring	1
	3C-31-94	Door S/A	1
	3A-31-134	Extension - Hinge Leaf Upper	1
	3A-31-132	Spring	1
	3C-3-206	Bracket - Mounting Lock for Lavatory Door	1
	3C-31-207	Plate - Lock Catch for Lavatory Door	1
	3C-31-211	Lock - Latch Only for Lavatory Door	1
	3A-31-96	Key S/A - Lavatory Door Lock	1

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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 3-74		<u>REAR ENGINE COMPARTMENT SERVICE DOORS</u> 3.3103	
		(Effective Prior to Coach Unit # 5401)	
12	3C-31-34	Door Assembly - Rear Engine Compartment - L.H.	1
	3C-31-35	Panel S/A - Outer - Stainless Steel	1
	3A-31-392	Hinge - L.H. Door	2
	3B-31-96	Bracket - Hinge Mounting - Upper	1
	3B-31-82	Bracket - Hinge Mounting - Lower	1
	3B-31-87	Lock Stop S/A - L.H. - Consists of Formed Section & Plate	1
	3A-31-389	Plate - Hinge Tapping - 1/8" Bar x 3/4" x 3" Long	2
	3C-31-108	Bracket S/A - Retaining Hook on Motor Door	1
	3C-31-114	Washer - On Lock at Engine Door End	2
	3A-31-345	Molding Shims - 1/2" x 2" Aluminum	2
	3B-20-39	Molding - (See Group 3.20)	1
	3B-31-86	Molding - Mounting License Plates	1
	3C-31-36	Panel S/A - Inner - Formed C/W Z - Channel	1
	3B-31-81	Z - Channel Only	1
	3B-31-101	Plate - Shim - Door Lock Stop - 2 1/4" x 5 1/2"	1
13	3C-31-38	Door Assembly - Rear Engine Compartment - R.H.	1
	3C-31-39	Panel S/A - Outer - Stainless Steel	1
	3A-31-392	Hinge - R.H. Door	2
	3B-31-96	Bracket - Hinge Mounting - Lower	1
	3B-31-82	Bracket - Hinge Mounting - Upper	1
	3B-31-97	Lock Stop S/A - R.H. - Consists of Formed Section & Plate	1
	3A-31-389	Plate - Hinge Tapping - 1/8" Bar x 3/4" x 3" Long	2
	3C-31-108	Bracket S/A - Retaining Hook on Engine Door	1
	3C-31-114	Washer - On Lock at Engine Door End	2
	3A-31-345	Molding Shims - 1/2" x 2" Aluminum	2
	3B-20-39	Molding - (See Group 3.20)	1
	3B-31-86	Molding - Mounting License Plate	1
	3C-31-41	Panel - Inner	1
	3B-31-101	Plate - Shim - Door Lock Stop - 2 1/4" x 5 1/2"	1
	3B-31-102	Catch Assembly - Rear Engine Door	1
	3B-31-103	Bracket	1
	3A-31-9	Catch	1
	3A-31-36	Spring (.062)	1
	N.P.N.	Rivet - 1/4" x 1/2" F.H. C'SK	1
	N.P.N.	Cap Screw - 1/4" - 28 N.F.	2
	N.P.N.	Washer - Flat 1/4"	2
	N.P.N.	Washer - Internal Star Lock	2
	N.P.N.	Nut - Hex. 1/4" - 28 N.F.	2
	N.P.N.	Bumper - #711 A.I.R.	1



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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 3-74		<u>REAR ENGINE COMPARTMENT SERVICE DOORS</u>	
		(Effective Coach Unit No. 5401) 3.3104	
12	3C-31-232	Door Assembly - Rear Engine Compartment L.H.	1
	3C-31-234	Panel S/A - Outer, Spotwelded	1
	3C-31-251	Panel S/A - Inner, Complete	1
	3C-31-237 ²¹⁴	Panel S/A - Inner	1
	3C-31-239	Panel - Door	1
	3C-31-240	Hinge - Mounting Inspection Door To Panel	1
	N.P.N.	Dzus Stud - On Door - AJW - 6 1/2 - 50 R & P	1
	N.P.N.	Dzus Grommet - On Door - GA - 6 1/2 - 375 R & P	1
	N.P.N.	Dzus Spring - On Inner Panel - S6-250 R & P	1
	3C-31-107	Plate - Reinforcing Door Hook Mounting Bracket	1
	3B-31-96	Bracket - Hinge Mounting, L.H. Upper and R.H. Lower	1
	3B-31-82	Bracket - Hinge Mounting, R.H. Upper and L.H. Lower	1
	3B-31-87	Bracket S/A - Door Lock Stop	1
	3A-31-392	Hinge - Mounting Door To Frame	2
	3A-31-389	Plate - Hinge Tapping	2
	3B-31-84	Plate - Shim, Door Lock Stop	1
	3A-31-345	Plate - Molding Shim	4
	3B-31-86	Molding - Mounting License Plates	2
	3C-20-91	Molding - On Outer Panel	2
	3C-31-55	Plate - Reinforcing Upper Inner Corner	1
	3C-31-108	Bracket S/A - Retaining Hook On Door	1
	3C-31-113	Hook - Door Stop	1
	3C-31-114	Washer - Nylon, Hook Retaining On Bracket	1
	N.P.N.	Cotter Pin - 3/32 x 7/8 Std. Cad. Plated	1
	7C-7-79	Casting - Inner License Plate Lamp	1
	7C-7-81	Casting S/A - Outer License Plate Lamp	1
	7C-7-78	Casting Only	1
	7C-7-82	Lens	1
	7C-7-83	Stud - Casting Mounting	2
	7C-7-80	Gasket - License Plate Lamp	2
	N.P.N.	Jam Nut - 1/4 - 20 Hex Cadmium Plated	2
	N.P.N.	Nut - 1/4 - 20 Hex. Cadmium Plated	2
	N.P.N.	Washer - Star, 1/4" Internal Tooth Cadmium Plated	2
13	3C-31-233	Door Assembly - Rear Engine Compt. R.H.	1
	3C-31-241	Panel S/A - Outer, Spotwelded	1
	3C-31-244	Panel S/A - Inner, Complete	1
	3C-31-245 ¹⁸	Panel Only	1
	3C-31-239	Panel - Door	1
	3C-31-240	Hinge - Mounting Inspection Door to Panel	1
	N.P.N.	Dzus Stud - On Door - AJW - 6 1/2 - 50 R & P	1
	N.P.N.	Dzus Grommet - On Door - GA - 6 1/2 - 375 R & P	1
	N.P.N.	Dzus Spring - On Inner Panel - S6-250 R & P	1
	3C-31-107	Plate - Reinforcing Door Hook Mounting Bracket	1

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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
<u>REAR ENGINE COMPARTMENT SERVICE DOORS (Cont'd)</u>			
(Effective Coach Unit #5401)			
	3B-31-96	Bracket - Hinge Mounting, L.H. Upper & R.H. Lower	1
	3B-31-82	Bracket - Hinge Mounting, L.H. Upper & R.H. Lower	1
	3B-31-97	Bracket S/A - Door Lock Stop	1
	3A-31-392	Hinge - Mounting Door To Frame	2
	3A-31-389	Plate - Hinge Tapping	2
	3B-31-101	Plate - Shim, Door Lock Stop	1
	3A-31-345	Plate - Molding Shim	4
	3B-31-86	Molding - Mounting License Plates	2
	3C-20-91	Molding - On Outer Panel	2
	3C-31-55	Plate - Reinforcing Upper, Inner Corner	1
	3C-31-108	Bracket S/A - Retaining Hook On Door	1
	3C-31-113	Hook - Door Stop	1
	3C-31-114	Washer - Nylon, Hook Retaining On Bracket	1
	N.P.N.	Cotter Pin - 3/32 x 7/8 Stl. Cad. Pl.	1
	7C-7-79	Casting - Inner License Plate Lamp	1
	7C-7-81	Casting S/A - Outer License Plate Lamp	1
	7C-7-72	Casting Only	1
	7C-7-82	Lens	1
	7C-7-83	Stud - Casting Mounting	2
	7C-7-80	Gasket - License Plate Lamp	2
	N.P.N.	Jam Nut - 1/4 - 20 Hex. Cad. Plated	2
	N.P.N.	Nut - 1/4 - 20 Hex. Cadmium Plated	2
	N.P.N.	Washer - Star 1/4" Internal Tooth Cadmium Plated	2



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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
* **		Effective Prior to Coach Serial # 5357 (Includes #5358) Effective With Coach Serial # 5357 (Excludes 5358)	
Plate 3-74		<u>REAR SIDE SERVICE DOORS</u>	3.3104
14	3C-31-255	Door Assembly - L.H. Side Service Complete	1
	3C-31-132	Panel S/A - Spotwelded	1
	3C-31-256	Shutter S/A	1
	3C-31-257	Flap S/A - #1	1
	3C-31-150	Rod - End Rotating	1
	3C-31-148	Flap S/A - #3, 5 & 7	3
	3C-31-149	Flap Only	1
	3C-31-150	Rod - End Rotating	2
	3C-31-154	Flap S/A - #2, 4 & 6	3
	3C-31-149	Flap Only	1
	3C-31-150	Rod - End Rotating	2
	3C-31-155	Rod S/A - Shutter Control	1
	3C-31-158	Bar S/A - Shutter Position Locking	1
	3C-31-161	U-Channel - Shutter Pivot L.H.	1
	3C-31-162	Insert - Shutter Pivot Bushing	2
	3C-31-170	U-Channel - Shutter Pivot R.H.	1
	3C-31-166	Wing Bolt S/A - Shutter Position Locking	1
	3C-31-167	Bolt Only	1
	3C-31-168	Chain & Washer S/A - Bolt Retaining	1
	3A-31-364	Hinge Extrusion - On Door	1
	3A-31-365	Hinge Extrusion - On Body	1
	3A-31-366	Hinge - Rubber	1
	3C-31-215	Bracket S/A - Prop Mounting	1
15*	3C-31-128	Door Assembly - Side Service - R.H. Complete	1
**	3C-31-230	Door Assembly - Side Service - R.H. Complete	1
	3C-31-129	Panel S/A - Spotwelded	1
	3C-31-147	Shutter Assembly	1
	3C-31-148	Shutter Flap S/A - 1, 3, 5 & 7	4
	3C-31-154	Shutter Flap S/A - 2, 4, & 6	3
	3C-31-155	Rod S/A - Shutter Control	1
	3C-31-265	Bar S/A - Shutter Position Locking	1
	3C-31-161	U-Channel - Shutter Pivot - L.H.	1
	3C-31-170	U-Channel - Shutter Pivot - R.H.	1
	3C-31-166	Wing Bolt S/A - Shutter Locking	1
	3A-31-365	Hinge Retainer - On Body	1
	3A-31-366	Hinge - Rubber - 27" Long	1
	3A-31-364	Hinge - Retainer - On Door	1
**	3C-31-218	Bracket S/A - Mounting R.H. Rear Side Service Door Prop on Door	1
**	3C-31-231	Rod S/A - Side Service Door Prop	2
**	3C-31-221	Rod Only	2

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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
		* Effective Prior to Coach Serial No. 5357 (Includes No. 5358) + Effective Prior to Coach Serial No. 5365 ++ Effective With Coach Serial No. 5365	
Plate 3-74		<u>REAR SIDE SERVICE DOORS (cont'd)</u>	3.3105
*	3C-31-125	Prop S/A - Rear Side Service Door L.H.	1
*	3C-31-126	Arm S/A - On Door	1
*	3C-31-127	Arm Only	1
*	3C-31-123	Arm - On Door Post	1
*	3C-31-116	Prop S/A - Rear Side Service Door R.H.	1
*	3C-31-120	Arm S/A - On Door	1
*	3C-31-121	Arm Only	1
*	3C-31-123	Arm - On Door Post	1
	3C-31-45	Catch Assembly - C/W Bracket - Rear Side Service Doors	2
	3C-31-46	Bracket S/A - Mounting Less Catch & Capscrews	2
	3B-30-21	Catch S/A - C/W Reinforcing Spring & Rivets	2
	N.P.N.	Capscrews - 1/4 - 20 x 1/2 steel	4
		<u>BLOWER COMPARTMENT DOOR</u>	
16	3B-31-130	Door Assy. - Blower Compartment	1
	3B-31-141	Panel - Outer Lower	1
	3A-31-434	Panel - Outer Upper	1
	3B-31-136	U-Channel - Door Hinge Mtg.	2
	3B-31-142	Plate & Nut S/A - Door Hinge Mtg.	2
	3A-31-425	Striker - Door Catch	3
	3A-31-437	Shim - For Molding	4
	3A-20-182	Molding - On Door	1
	3B-31-156	Hinge S/A	2
	3B-31-157	Hinge S/A - Welded	2
	N.P.N.	Bushing - 6N8D	4
	N.P.N.	Rivet - AD612 Imex	2
	N.P.N.	U-Channel - X-200 A.I.R. (25")	1
	3C-31-285	Angle - Door Striker Mtg.	3
	3C-31-286	Plate - Lower Centre - Blower Door Stop	1
	N.P.N.	Rivet - 5/32 x 1/2 T.H.	12
	3B-31-137	Plate - Lock Hinge Mtg.	2
+	3A-31-466	Lock Hinge S/A - Holding Door Open	2
+	3A-31-473	Hinge Arm S/A - Long	2
+	3A-31-468	Bar Only - Short	2
+	N.P.N.	Rivet - 1/4 x 1/2 B1129 SN	2
+	3A-31-470	Angle - Mtg. Lock Hinge to Door	2
++	3C-31-228	Angle - Mtg. Prop to Door	1
+	3A-31-469	Z-Bracket - Mtg. Lock Hinge to Post	2
++	3C-31-221	Rod - Door Prop	1



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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 3-74		<u>RADIATOR DOORS</u>	
17	3B-31-112	Radiator Compartment Door Assembly - L.H.	1
	3B-31-113	Panel - Inner - 19 1/8" x 26"	1
19	3B-31-114	Panel - Outer - Lower	1
21	3B-31-115	Panel - Outer - Upper	1
	3B-31-116	Hinge - Piano - 26 1/8" Long	1
	N.P.N.	Stud - Dzus - AJ - 6 1/2 - 50 Cadmium Plated	4
	N.P.N.	Grommet - Dzus - AJ - 6 1/2 - 375	4
	3B-20-38	Molding - On Door	1
18	3B-31-119	Radiator Compartment Door Assembly R.H.	1
	3B-31-120	Panel - Inner - 19 1/8" x 26"	1
20	3B-31-121	Panel - Outer - Lower	1
22	3B-31-122	Panel - Outer - Upper	1
	3B-31-123	Hinge - Piano - 26 1/8" Long	1
	N.P.N.	Stud - Dzus - AJ - 6 1/2 - 50 Cadmium Plated	4
	N.P.N.	Grommet - Dzus - AJ - 6 1/2 - 375	4
	3B-20-38	Molding - On Door	1

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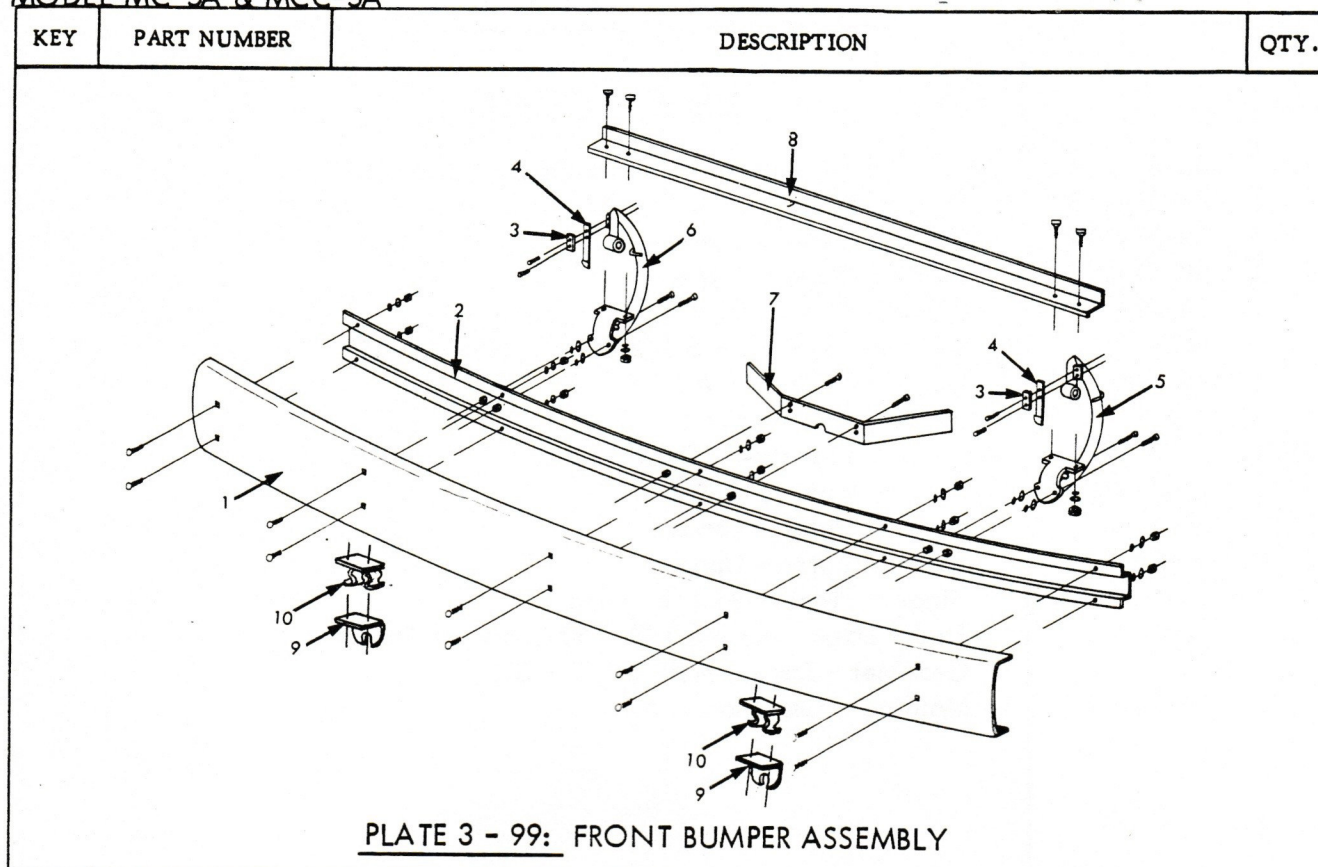


Plate	FRONT BUMPER ASSEMBLY		
3-99			
	3C-31-309	Bumper Assy. - Front, Extended W/O Foglight Holes	1
	3C-31-310	Bumper Assy. - Front, Non-Extended W/O Foglight Holes	1
	3C-31-311	Bumper Assy. - Front, Extended With Foglight Holes	1
	3C-31-312	Bumper Assy. - Front, Non-Extended With Foglight Holes	1
	3C-31-302	Bumper S/A - W/O Foglight Holes	1
	3C-31-303	Bumper S/A - With Foglight Holes	1
1	3C-21-56	Bumper Only - W/O Foglight Holes	1
	3C-21-57	Bumper Only - With Foglight Holes	1
2	3C-31-304	Hat Channel S/A - Bumper Mtg.	1
	N.P.N.	Bumper Bolt - 7/16 - 14 X 1	10
	N.P.N.	Flat Washer - 7/16"	10
	N.P.N.	Lockwasher - 7/16"	10
3	3C-31-11	Plate - Catch Mtg.	2
4	3C-31-12	Spring & Catch S/A - Bumper Locking Open	2
5	3C-31-69	Hinge Arm S/A - L.H., Non-Extended Bumper	1
6	3C-31-70	Hinge Arm S/A - R.H., Non-Extended Bumper	1
	3C-31-6	Hinge Arm S/A - L.H., Extended Bumper	1
	3C-31-7	Hinge Arm S/A - R.H., Extended Bumper	1
	N.P.N.	Cap Screw - Mtg. Hinge Arms & Tire Band, 5/16 - 24 X 3/4	6
7	3A-31-179	Band - Tire Retaining	1



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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 3-99		<u>FRONT BUMPER ASSEMBLY (Cont'd)</u>	
8	3C-31-194	Angle S/A - Closing Top of Bumper (Non-Extended)	1
	3C-31-209	Angle S/A - Closing Top of Bumper (Extended)	1
	N.P.N.	Screw - #8 - 32 X 1/2	4
	3C-31-104	Bracket S/A - Lock Stud Retaining	2
9	3C-31-105	Plate Only	2
10	3C-31-106	Clip Only	2
	N.P.N.	Cap Screw - Mtg. Bracket S/A,- 5/16 - 18 X 3/4	4
	N.P.N.	Flat Washer - 5/16"	4
	N.P.N.	Lockwasher - 5/16"	4

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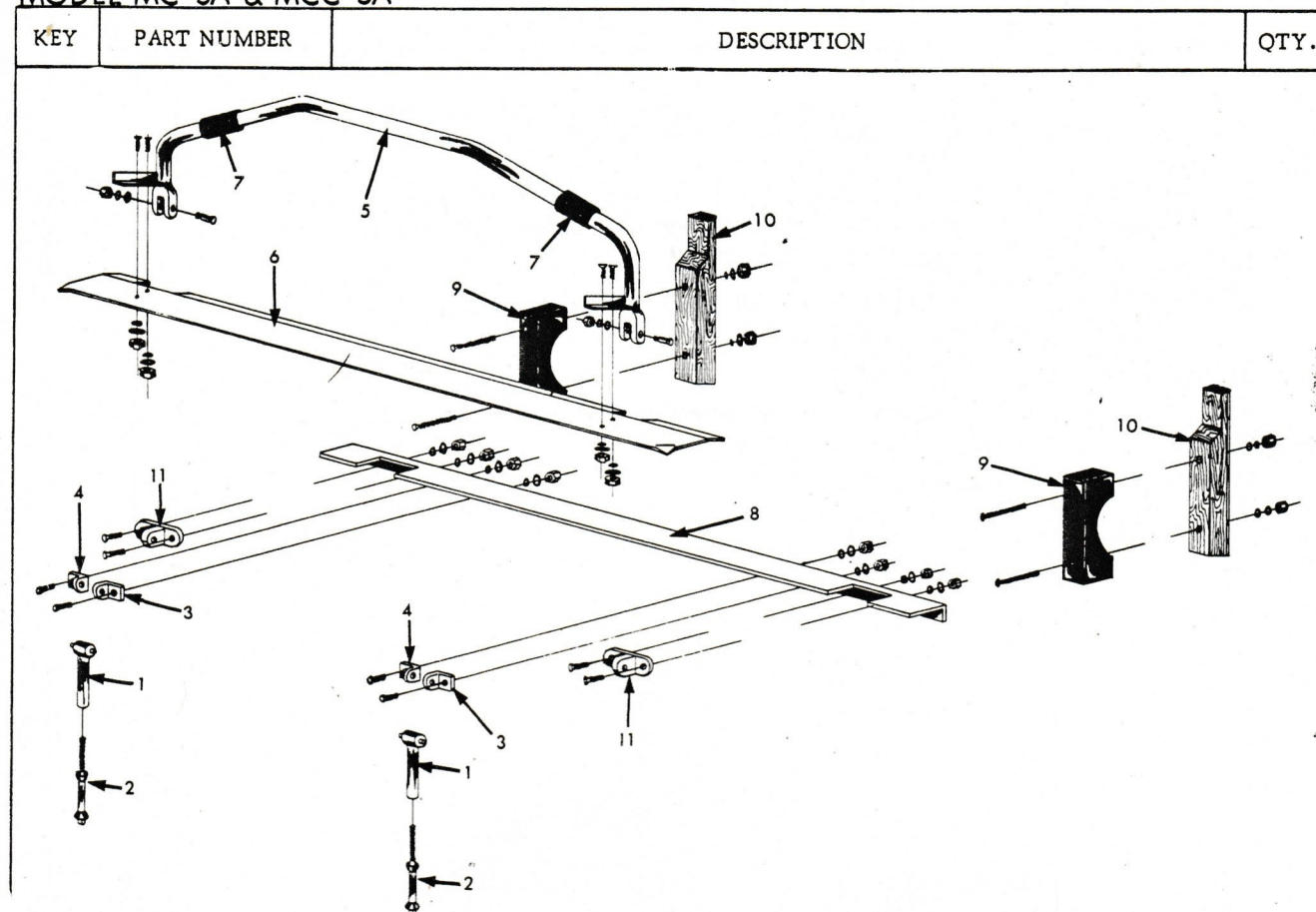


PLATE 3 - 100: TIRE BAR ASSEMBLY

+		Effective Prior to Coach Unit No. 5961	
		Effective With Coach Unit No. 5961	
Plate		<u>TIRE BAR ASSEMBLY</u>	
3-100			
+1	3A-31-189	Stud - Female - Tire Door Lock (Standard Bumpers)	2
++1	3C-31-29	Stud - Female - Tire Door Lock (Standard Bumpers)	2
+	3C-31-29	Stud - Female - Tire Door Lock (Extended Bumpers)	2
++	3C-31-298	Stud - Female - Tire Door Lock (Extended Bumpers)	2
2	3A-31-190	Stud - Male - Tire Door Locking	2
3	3B-21-10	Angle - L.H. Side of Female Stud Mounting	2
4	3B-21-11	Angle - R.H. Side of Female Stud Mounting	2
+	3C-31-73	Tire Bar Assy. - (Standard Bumpers)	1
++	3C-31-306	Tire Bar Assy. - (Standard Bumpers)	1
5	3C-31-77	Tire Bar S/A - Welded	1
+6	3C-31-76	Panel - Gravel Guard	1
++6	3C-31-297	Panel - Gravel Guard	1
7	3C-21-16	Rubber Bumper - 1 1/2 x 3 1/4 Hose	2
	N.P.N.	Nut - 5/16 - 18 Hex. Steel Cad. Pl.	4
	N.P.N.	Flat Washer - 5/16 Steel Cad. Pl.	4
	N.P.N.	Lockwasher - 5/16 Med. Steel Cad. Pl.	4
	N.P.N.	Screw - 5/16 - 18 x 1 3/4 S.S.	4



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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
+		Effective Prior to Coach Unit No. 5961	
++		Effective With Coach Unit No. 5961	
Plate 3-100		<u>TIRE BAR ASSEMBLY (Cont'd)</u>	
+	3C-21-7	Tire Bar Assy. - (Extended Bumpers)	1
++	3C-21-61	Tire Bar Assy. - (Extended Bumpers)	1
	3C-21-17	Tire Bar S/A - Welded	1
	3C-21-16	Rubber Bumper - 1 1/2 x 3 1/4 Hose	1
+	3C-31-5	Panel - Gravel Guard	1
++	3C-31-296	Panel - Gravel Guard	1
	N.P.N.	Nut - 5/16 - 18 Hex. Steel Cad. Pl.	4
	N.P.N.	Flat Washer - 5/16 - 18 Steel Cad. Pl.	4
	N.P.N.	Lockwasher - 5/16 Med. Steel Cad. Pl.	4
	N.P.N.	Screw - 5/16 - 18 x 1 3/4 S.S.	4
8	3C-21-6	Angle - Bumper Seal	1
9	3A-21-60	Spacer - Rubber (Non-Extended Bumpers)	2
	3C-21-25	Spacer - Rubber (Extended Bumpers)	2
10	3C-21-26	Spacer - Wooden	2
11	3C-21-27	Hinge - Tire Bar	2
Plate 3-74		<u>REGULATOR DOOR</u>	
25	3C-31-315	Door Assy. - Voltage Regulator (C/W Optional Lock)	1
	3C-35-74	Door Assy. - Voltage Regulator (W/O Optional Lock)	1
	3C-35-92	Door S/A - Spotwelded	1
	3C-35-77	Hinge	1
	3A-31-132	Spring	1
	3C-31-211	Lock - Latch Only	1
	3A-15-97	Handle Only	1
	3A-15-96	Key S/A	1
		<u>RADIATOR FILLER DOOR</u>	
27	3A-35-426	Door Assembly - Radiator Filler	1
	3A-35-430	Panel Only - Outer	1
	3A-35-433	Spring - Radiator Filler Door	1
		<u>CONDENSER DOOR</u>	
29	3C-31-177	Condenser Door Assembly - (Less Condenser)	1
	3B-31-16	Door Frame - C/W Dzus Fasteners	1
	3C-31-178	Screen & Frame S/A	1
	3B-31-26	Bar - Vertical - Reinfor. Door Screen	1
	3C-31-252	Handle S/A - Condenser Door Opening	1
	16B-4-3	Check Arm - Condenser Door Stop	1
	16A-4-10	Plate & Stud - Check Arm Retaining - Condenser Door	1
	3A-31-262	Hinge - 3" Open x 29 1/2" Long	1

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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>ENTRANCE DOOR</u> 3.3201	
	3C-32-21	Entrance Door Assembly Complete	1
	3C-32-22	Panel S/A - Lower Outer on Entrance Door	1
	3B-32-69	Panel - Beaded Upper Outer On Entrance Door	1
	3C-32-33	Frame S/A - Upper Window Frame Entrance Door	1
	3B-32-37	Channe. S/A - Mtg. Air Lock Catch on Entrance Door	1
	3A-32-134	Channel - Rear Center Entrance Door Box Mounting	1
	3B-32-41	Channel S/A - Front of Entrance Door Below Hinge Mtg. Box	1
	3B-32-43	Angle - Upper	1
	3B-32-44	Angle - Lower	1
	N.P.N.	Rivet - 5/32 x 1/2 Al. F.H. Csk. S.F. Clear Anod.	8
	3C-32-3	Cap - Between Glass and Door Frame - Front Vertical	1
	N.P.N.	Screw - #6 x 3/8 Csk. Phil. Steel Cadmium Plated	5
	3C-32-29	Hat Channel S/A - Bumperette Mounting	1
	3A-32-28	Hat Channel S/A - Top Box Outer Panel Spacer	1
	3B-32-29	Box S/A - Complete Top Door Hinge Mounting on Entrance Door	1
	3A-32-74	Hinge S/A - Lower Compl.	1
	3C-32-24	Panel - Beaded Front Side Lower Entrance Door	1
	3C-32-25	Panel S/A - Inner Panel On Entrance Door - With Vinyl (Specify Color)	1
	3C-32-40	Panel - Melamine Upper - C/W Decals and Holes for Door Lock Catch	1
	3C-32-41	Panel - Melamine Centre Upper and Lower	1
	3C-32-42	Panel - Melamine Bottom	1
	3C-20-33	Molding - Vertical - Rear Side of Entrance Door	1
	3B-32-70	+ Seal - Rubber Extrusion on Bottom of Entrance Door	1
	3B-32-71	Strip - Mounting Rubber Seal Lower Entrance Door	1
	3C-21-41	Bumperette S/A - Lower Panel Entrance Door - Complete	1
	N.P.N.	Rivet - 3/16 x 3/8 SUH H.D. P401 2SF Aluminum	25
	3C-20-25	Molding - Center Entrance Door Exterior	1
	3A-32-31	Z-Channel - Center Rib Lower Entrance Door	1
	3B-32-45	Box S/A - Lower Hinge Mounting on Entrance Door	1
	N.P.N.	Rivet - Pop AD612 Imex	156
	N.P.N.	Rivet - Pop TAP-K-BS-635	20
	N.P.N.	Rivet - 3/16 x 3/8 SUH. H.D. P401 PB8662 2SF Aluminum Clear Anodized	7
	N.P.N.	Rivet - 7/32 x 3/8 BH Al. 2S BD Anodized	34
	3C-32-6	Z-Channel S/A - Center Rib Upper Horizontal	1
	3C-20-34	Angle - Finishing Inside Bottom of Entrance Door	1
	N.P.N.	Screw - #4 x 1/2 O.H. P.H. Type 1	5
	N.P.N.	Screw - #10 x 24 x 5/8 O.H. Phil. S.S. Machined	10
	N.P.N.	Washer - Flat 1/4 SAE Steel Cadmium Plated	6
	N.P.N.	Rivet - 5/32 x 3/8 Alum. F.H. Csk. Anodized	3
	N.P.N.	Rivet - 3/16 x 1/2 SUH. H.D. P401 2SF PB8661	8
	N.P.N.	Screw - #10 x 1/2 Phillips F.H. Csk. Type 1	2



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KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>ENTRANCE DOOR (Cont'd)</u>	3.3202
	N.P.N.	Nut - 1/4 - 20 Hex. Fibre Lock Cadmium Plated	3
	3C-20-26	Plate - Center - Molding Tapping Front & Rear	2
	3C-20-27	Plate - Center - Molding Tapping (Center)	1
	3C-20-41	Cap S/A - Front of Entrance Door	1
	N.P.N.	Screw - 1/4 - 20 x 3/4 O.H. Type 1	2
	3C-35-164	Plate - Shim on Front Beaded Panel Front	7
	3C-20-94	Molding S/A - Long Horizontal Entrance Door	1
	3C-20-96	Molding S/A - Short Horizontal Entrance Door	1
	3C-20-64	Molding S/A - Entrance Door - Vertical	1
	3C-32-28	Molding - Finishing Upper Melamine Panel	1
	3C-32-37	Molding - Finishing Center Upper Melamine Panel	1
	3C-32-38	Molding - Finishing Center Lower Melamine Panel	1
	3C-32-39	Molding - Finishing Bottom Melamine Panel	1
	3C-32-31	Track - Molding Retaining	3
	3B-32-2	Extrusion S/A - Entrance Door Seal on Frame Front	1
	+3B-32-4	- Seal - Rubber	1
	3C-32-20	Angle - Finishing Front Entrance Door Post	1
	3B-32-5	Extrusion S/A - Entrance Door Seal On Frame - Rear	1
	+3B-32-7	- Seal - Rubber 85" (featheredge)	1
	3C-32-15	Bumper S/A - Entrance Door Rear Post	1
	+3C-32-9	- Bumper - Rubber 86 3/4"	1
	-3C-32-10	- Extrusion - Rubber Retainer 86 3/4"	1
	3C-32-16	Bumper S/A - Entrance Door Upper Cap	1
	+3C-32-13	Bumper - Rubber 32 1/2"	1
	3C-32-14	Extrusion - Rubber Retainer 32 1/2"	1
	3C-32-17	Cap S/A - Seal Entrance Door Top On Frame	1
	3C-32-18	Cap - Spotwelded	1
	+3B-32-12	Seal - Rubber 30"	1
	3C-32-11	Shim - Lower Entrance Door Hinge 7/8 x 1 7/8	1
	3C-32-12	Shim - Lower Entrance Door Hinge 7/8 x 1 1/8	1
	3A-32-81	Hinge S/A - Lower Entrance Door On Body	1
	3A-32-84	Bushing - 5/8 Nylon - Lower Entrance Door Hinge	2



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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>EXTERIOR MISCELLANEOUS</u> 3.3301	
	3B-33-1	Nameplate - Fuel Capacity - On Filler Door	1
	3A-33-8	Nameplate - Challenger	1
	3A-33-9	Nameplate - Courier	1
	3A-33-5	Rubber Flaps - Rear of Front Wheels	2
	3A-33-6	Rubber Flaps - Rear of Rear Wheels	2
	3B-31-86	Extrusion Mounting - License Plate - Rear 26 1/2"	4
	3A-33-26	Extrusion - (Same as 3B-31-86) - 52 1/2" Lg.	2
	3A-33-27	Bolts - Fasten License Plate	A.R.
	3C-33-17	Bracket - Mounting Long No. 7 Reflector L.H. Front	1
	3C-33-14	Bracket - Mounting Long No. 7 Reflector R.H. Front	1
	3C-33-23	Reflector - L.H. & R.H. Front (Amber)	2
	3C-33-22	Reflector - Rear L.H. & R.H. Side (Red)	2
	3C-33-1	Grill - Air Intake - Driver's Vent Above L.H. Windshield	1
	3C-33-26	Nameplate - Brake Tank Auxilliary Fill - On Angle in Tool Compartment	1
	3C-33-24	Nameplate - Challenger - L.H. Parcel Rack	1
	3C-33-25	Nameplate - Challenger - R.H. Parcel Rack	1
	3-33-10	Reflector - Front	1
	3C-33-10	Bracket - Radio Ant. Support	1
	3C-33-22	Reflector - Red, Rear Side & Bumper (Flanged Body)	4
	3C-33-23	Reflector - Amber, Front Side (Flanged Body)	2
	3F-33-2	Reflector - Red, Rear Side & Bumpers (St. Stl. Body)	4
	3F-33-3	Reflector - Amber, Front Side (St. Stl. Body)	2
	3C-33-39	Lens Only - Amber	1
	3C-33-40	Lens Only - Red	1

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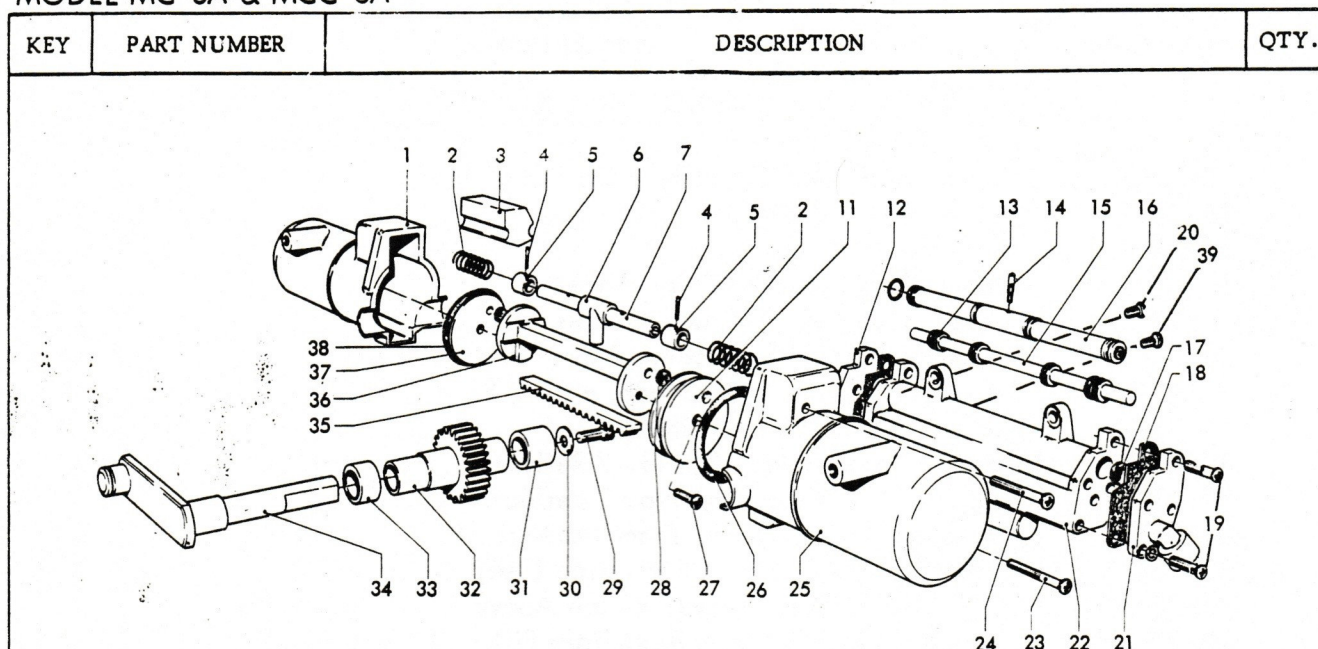
**PLATE 3 - 53: WINDSHIELD WIPER MOTOR ASSEMBLY**

Plate 3-53	* For Model M-516 Motor Assemblies ** For Model M-519 Motor Assemblies <u>WINDSHIELD WIPER ASSEMBLIES</u> 3.3401		
*	3C-34-1	Windshield Wiper & Motor Assembly - L.H. - C/W Linkage	1
*	3C-34-2	Windshield Wiper & Motor Assembly - R.H. - C/W Linkage	1
**	3C-34-56	Windshield Wiper & Motor Assembly - L.H. - C/W Linkage	1
**	3C-34-57	Windshield Wiper & Motor Assembly - R.H. - C/W Linkage	1
*	3B-34-5	Wiper Motor Assembly - Less Linkage - L.H.	1
*	3B-34-6	Wiper Motor Assembly - Less Linkage - R.H.	1
**	3C-34-54	Wiper Motor Assembly - Less Linkage - L.H.	1
**	3C-34-55	Wiper Motor Assembly - Less Linkage - R.H.	1
(Following parts are used on both L.H. & R.H. motor assemblies)			
25	3B-34-7	Body Assembly - L.H.	2
1	3B-34-8	Body Assembly - R.H.	2
3	3B-34-33	Bearing Block	2
24	3B-34-37	Screw - Body Halves Attach.	2
23	3B-34-38	Screw - Body Halves Attach.	2
*	3B-34-48	Piston Rack Assembly	2
**	3C-34-60	Piston Rack Assembly	2
37	3B-34-9	Piston Rack	2
7*	3B-34-10	Reverser Rod	2
7**	3C-34-64	Reverser Rod	2
5*	3B-34-11	Reverser Stops	4



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Plate 3-53		* • For Model M-516 Motor Assemblies ** For Model M-519 Motor Assemblies	
		<u>WINDSHIELD WIPER ASSEMBLIES (Cont'd)</u>	3.3401
5**	3C-34-61	Reverser Stops	4
6	3B-34-12	Reverser Tee	2
4*	3B-34-13	Roll Pin	4
2*	3B-34-14	Spring	2
2**	3C-34-62	Spring	2
35	3B-34-15	Gear Rack	2
38	3B-34-19	"O" Ring	4
27	3B-34-20	Screw - Piston Retaining	4
28*	3B-34-21	Rubber Disc - Piston	4
37 & 11	3C-34-63	Piston Retainer	4
32	3B-34-22	Gear & Sleeve Assembly	2
	3B-34-50	Valve Assembly	2
	3B-34-54	Secondary Rod Assembly	2
15	3B-34-24	Secondary Rod	2
13	3B-34-25	"O" Rings	20
	3B-34-52	Primary Rod Assembly	2
6	3B-34-26	Primary Rod	2
13	3B-34-25	"O" Rings	20
18	3B-34-27	Gasket	4
14	3B-34-28	Valve Pin	2
12	3B-34-29	Parking End Plate - R.H.	2
	3B-34-30	Parking End Plate - L.H.	2
19	3B-34-31	Screw - Valve End Plates	16
17	3B-34-32	Rubber Disc - Valve	4
3	3B-34-33	Bearing Block	2
	3B-34-46	Shaft and Gear Assembly	2
34	3B-34-42	Transmission Shaft	2
33	3B-34-45	Bearing - Front	2
32	3B-34-22	Gear Sleeve Assembly	2
31	3B-34-34	Bearing - Rear	2
30	3B-34-44	Back-Up Washer	2
29	3B-34-43	Allen Screw - Trans. Shaft	2
	3B-34-36	Valve Body Seal	4
20	3B-34-37	Screw - Valve Attach. - Long	4
39	3B-34-40	Screw - Valve Attach. - Short	4
	3C-34-5	Fitting - Wiper Motor Exhaust	2

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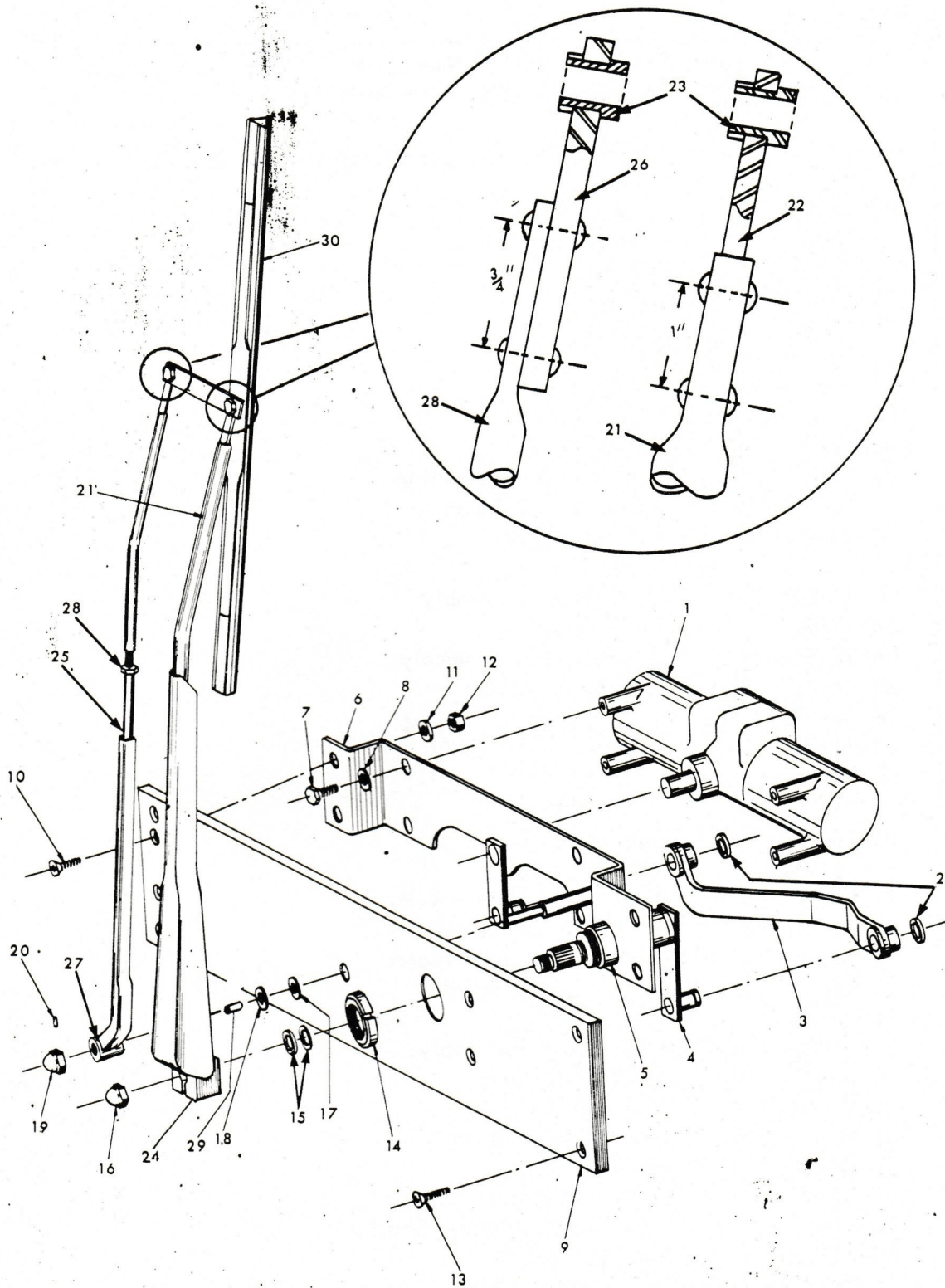


PLATE 3 - 54: WIPER MOUNTING & LINKAGE



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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 3-54		<u>WINDSHIELD WIPER & LINKAGE</u>	
1	3B-34-5	Wiper Motor - Less Linkage - L.H. (Model M-516)	1
1	3B-34-6	Wiper Motor - Less Linkage - R.H. (Model M-516)	1
1	3C-34-54	Wiper Motor - Less Linkage - L.H. (Model M-519)	1
1	3C-34-55	Wiper Motor - Less Linkage - R.H. (Model M-519)	1
2	3C-34-65	Snap Ring	2
3	3B-34-1	Link - R.H.	1
3	3B-34-2	Link - L.H.	1
4	3C-34-4	Idler Shaft Assy. - Wiper Arm	2
5	3B-34-55	Collar - Spanner Lock Nut Retaining	2
6	3C-34-6	Motor Mounting Bracket - L.H.	1
6	3C-34-7	Motor Mounting Bracket - R.H.	1
	3C-34-27	Bearing - Plain Oilite Idler Shaft Assembly	2
	3C-34-28	Bearing - Flange Oilite Idler Shaft Assembly	2
	3C-34-29	V-Packing - Plain Oilite Bearing	2
7	3B-34-73	Bolt - Motor Mtg.	8
8	3B-34-74	Lockwasher	8
9	3B-34-67	Panel - Mtg. L.H. Motor Bracket	1
9	3B-34-68	Panel - Mtg. R.H. Motor Bracket	1
10	N.P.N.	Screw - Bracket to Panel, Ph. F.H. Mach. 1/4 x 1 N.C.	8
11	N.P.N.	Lockwasher - 1/4	8
12	N.P.N.	Nut - 1/4 x 1 N.C.	8
13	N.P.N.	Screw - Panel to Coach Body, Ph. F.H. Mach. 1/4 x 1 N.C.	8
14	3B-34-80	Spanner Lock Nut	2
15	N.P.N.	Snap Ring - Idler Shaft	4
16	3B-34-75	Acorn Nut	2
17	3B-34-76	Spring Washer	2
18	3B-34-77	Washer	2
19	3B-34-78	Cap Nut	2
20	3B-34-79	Set Screw - Cap Nut	2
21	3B-34-57	Wiper Arm Assy.	2
22	3C-34-73	Tip & Bushing S/A - Wiper Arm	2
23	3B-34-96	Bushing Only	2
	3B-34-98	Spring - Wiper Arm	2
24	3C-34-74	Head - Wiper Arm Mounting	2
25	3B-34-63	Idler Arm Assy. - L.H.	1
25	3B-34-64	Idler Arm Assy. - R.H.	1
	3C-34-71	Extension & Tip S/A	2
26	3C-34-72	Tip & Bushing S/A	2
23	3B-34-96	Bushing Only	2
	3C-34-69	Head & Channel - L.H.	1
	3C-34-70	Head & Channel - R.H.	1
27	3C-34-66	Head Only - L.H.	1

Challenger

3 - BODY

SECTION:

3.34

GROUP:

PARTS MANUAL

MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 3-54		<u>WINDSHIELD WIPER & LINKAGE (Cont'd)</u>	
27	3C-34-67	Head Only - R.H.	1
28	3C-34-68	Lock Nut	2
29	3B-34-95	Sleeve - Idler Arm Head	2
30	3B-34-72	Wiper Blade	2
		<u>CONTROL VALVE</u>	
	3B-34-56	Control Valve - Wiper Motor "Off" and "On"	2
	3B-34-81	Plastic Knob	1
	3B-34-82	Nut - 7/8 - 28 Hex.	1
	3B-34-83	Screw - #6 - 32 x 5/16 Self-Tapping	4
	3B-34-84	Washer - Guide	1
	3B-34-85	Ram - Pressure Regulating	1
	3B-34-86	Coil Spring - 31/64 O.D.	1
	3B-34-87	"O" Ring Retainer Assembly	1
	3B-34-88	Valve Seat Assembly	1
	3B-34-89	Ball - 9/64 Dia. Steel	1
	3B-34-90	Spring - Coil - 19/64 O.D.	1
	3B-34-91	Parking Valve Stem Assembly	1
	3B-34-92	Cover Cap - Machined	1
	3B-34-93	Cam Rod Assembly	1
	3B-34-94	Body - Machined	1

PARTS MANUAL

MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 3-30		<u>PRESSURE REGULATING VALVE</u>	
	3C-34-37	Pressure Regulating Valve - Air Line - Between Air Strainer And Wiper Control Valves	1
1	3C-34-38	Spring	1
2	3C-34-39	Jam Nut	1
3	3C-34-40	Body	1
4	3C-34-41	Piston	1
5	3C-34-42	"O" Ring	1
6	3C-34-43	Seal Assy	1
7	3C-34-44	Spring	1

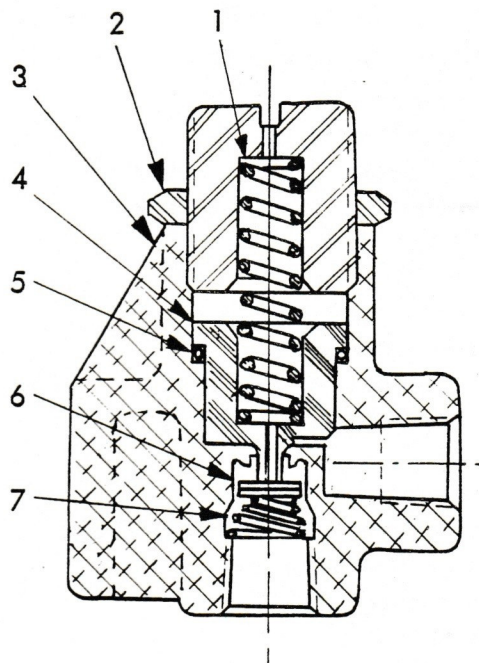


PLATE 3 - 30: PRESSURE REGULATING VALVE

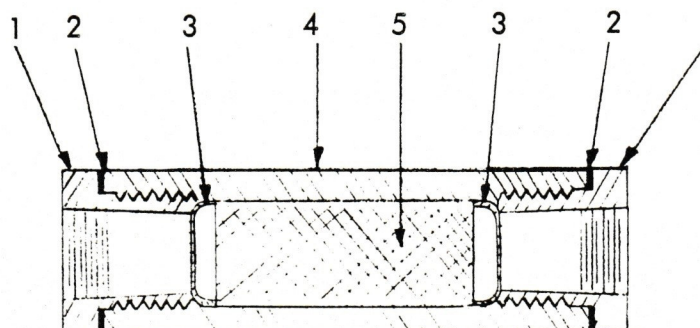


PLATE 3 - 50: AIR STRAINER

Challenger

3-BODY

SECTION:

3.34

GROUP:

PARTS MANUAL

MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 3-50		<u>AIR STRAINER ASSEMBLY</u> 3.3405	
	3A-34-101	Air Strainer Assembly - For Air Pressure to Pressure Regulating Valve	1
1	3A-34-102	Bushing - Threaded	2
2	3A-34-103	Gasket	2
3	3A-34-104	Retainer - Element	2
4	3A-34-105	Body	1
5	3A-34-106	Filter Element	1
	3A-34-107	Pin - Drive	1
		<u>WINDSHIELD WASHER KIT</u>	
Plate 3-79		* Used on Kit #4 Only + Used on Kit #5 Only ** Used on Kit #5 and #6 ++ Used on Kit #6 Only	
	3C-34-9	Windshield Washer Kit #4	1
	3C-34-45	Windshield Washer Kit #5	1
	3C-34-46	Windshield Washer Kit #6	1
1*	3C-34-10	Upper Check Valve Assembly	1
1**	3C-34-46	Upper Check Valve Assembly	1
2*	3C-34-11	Bottle Cap Assembly	1
2**	3C-34-47	Bottle Cap	1
3	3C-34-12	Tank - Water Reservoir	1
4*	3C-34-13	Bracket Assembly	1
4**	3C-34-48	Bracket Assembly	1
5	3C-34-14	Pressure Tank Cap Assembly	1
6*	3C-34-15	Screw	2
7*	3C-34-16	Pressure Tank Assembly	1
7+	3C-34-49	Pressure Tank Assembly With Drain	1
7++	3C-34-53	Pressure Tank Assembly	1
8	3C-34-17	Rubber Hose - 3/16"	2
9*	3C-34-18	Control Valve	1
9**	3C-34-50	Control Valve	1
10	3C-34-19	Snap Ring	1
11	3C-34-20	Nozzle Assembly	2
12	3C-34-21	Tee - Hose	1
**	3C-34-51	Filler Lid	1
	3C-34-24	Water Line - Short to Nozzle Assembly L.H. and R.H.	2
	269	Elbow (Imperial)	3
	3C-34-23	Air Line - Control Valve to Tank - 1/4 O.D. x 90" Long	2
	3C-34-22	Water Line - Long - 1/4 O.D. x 171" Long	1
	268-P	Half Union (Imperial)	1
	172 x 4	Tee - Under Centre Dash - Branch to Control Valve	1
	3224 - 2	Bushing - Branch Tee	1



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MODEL MC-5A & MCC-5A			

KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>WINDSHIELD WASHER KIT (Cont'd)</u> 3.3406	
	2030 x 4	Insert - Branch Tee	1
	3C-34-26	Air Line Branch Tee to Control Valve 1/4 O.D. x 24 " Long	1
*	3C-36-50	Bracket S/A - Mounting Windshield Washer Kit	1
**	3C-36-95	Bracket S/A - Mounting Windshield Washer Kit	1
**	3C-36-96	Bracket Only	1
**	3C-36-97	Spring Clips	2
		* Used On Kit #4 Only + Used on Kit #5 Only	
		** Used on Kit #5 & #6 ++ Used on Kit #6 Only	

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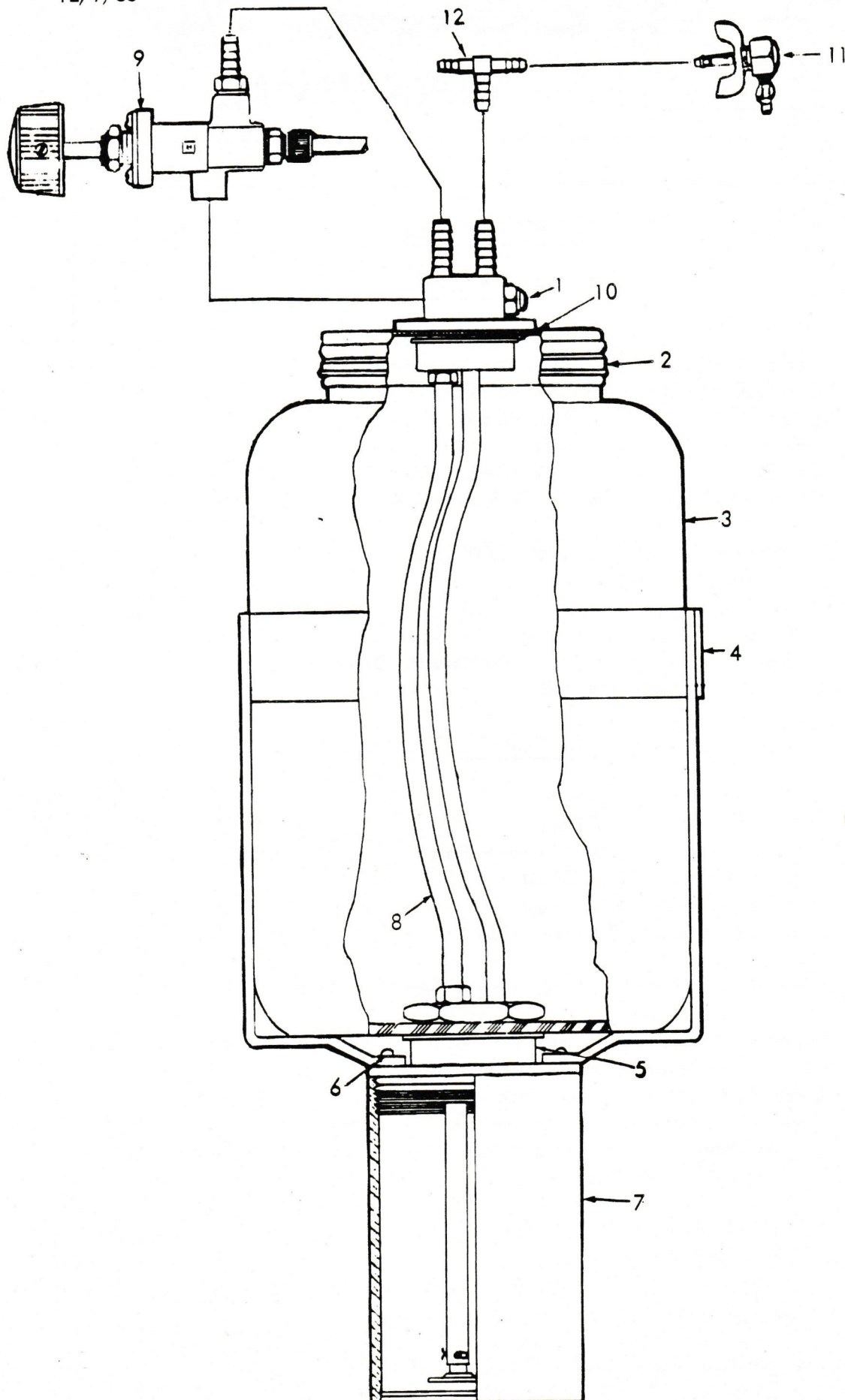


PLATE 3-79 - WINDSHIELD WASHER KIT

3 - BODY

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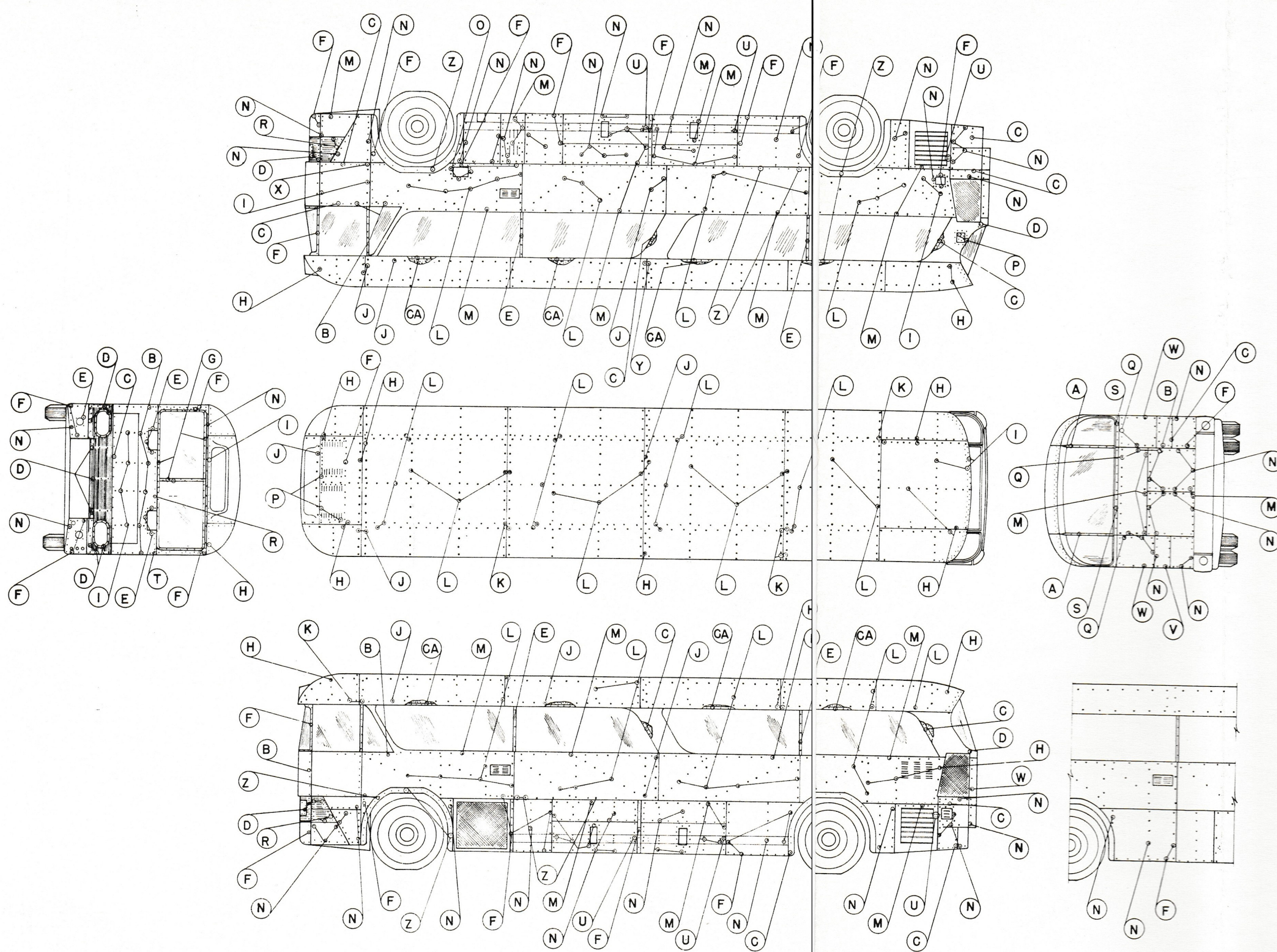
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MODEL MC-5A & MCC-5A

Challenger**PARTS MANUAL**

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 3-74		EXTERIOR PANELS 3.3501	
		WINDOW CAPS	
36	3B-35-13	Cap S/A - L.H. - Triangular Window Frame	1
37	3B-35-7	Cap S/A - R.H. - Triangular Window Frame	1
38	3B-35-2	Cap S/A - #1 & 3 R.H. Side Window Frames	2
39	3B-35-1	Cap S/A - #1 & 3 L.H. Side Window Frames	2
40	3A-35-28	Cap S/A - #2 & 4 R.H. Side Window Frames	2
41	3A-35-157	Cap S/A - #2 & 4 L.H. Side Window Frames	2
42	3A-35-34	Cap - Vertical - Between - #1 & 2, 3 & 4 L.H. & R.H. Side Windows	4
43	3C-35-186	Frame S/A - Driver's Window C/W Trim	1
	3A-35-329	Frame S/A - Welded	1
	3C-35-187	Trim Seal Only	1
	3C-35-188	Strip - Trim Seal Fastening	1
44	3B-35-36	Cap S/A - L.H. Windshield - W/Hole for Driver's Vent	1
45	3A-35-7	Cap S/A - R.H. Windshield	1
		POST CAPS	
	3A-35-4	Cap - L.H. Windshield Post	1
	3A-35-10	Cap - R.H. Windshield Post	1
	3A-27-337	Strip - Packing Windshield Center Post	2
46	3B-35-48	Cap - L.H. Rear Window Post	1
47	3B-35-49	Cap - R.H. Rear Window Post	1
48	3B-35-33	Panel - L.H. Rear - Between Side & Rear Corner Window (Under Cap)	1
49	3B-35-29	Panel - R.H. Rear - Between Side & Rear Corner Window (Under Cap)	1
50	3A-35-35	Panel - Between Side Windows - Center & Plain (Under Cap)	2
51	3B-35-24	Cap - L.H. Between Side Windows - Center	1
52	3B-35-25	Cap - R.H. Between Side Windows - Center	1
53	3B-35-34	Cap - L.H. Between Side & Rear Corner Windows	1
26	3B-35-30	Cap Assembly - Above Radiator R.H. - C/W Rad. Filler Door	1
28	3B-35-31	Cap Only - Less Door	1
27	3A-35-426	Filler Door Assembly - C/W Spring R.H.	1
	3A-35-435	Filler Door Only	1
	3A-35-429	Hinge Only	1
	3A-35-433	Spring - Torsion	1
54	3B-35-75	Cap - Above Blower Compartment Door	1
		NOTE: (For Tire Door Assembly See Group 3.31)	
		(For L.H. Front Service Door See Group 3.31)	



RIVETING
EXTERIOR SHELL

3-116

MODEL MC-5A & MCC-5A

Key	Description
A	1/8 X 1/4 CSK. HD. 2 SF ALLOY ALUM. RIVET - CLEAR ANODIZED - PARMENTER & BULLOCH
B	#CR 763 - W8 - 6 PARMENTER & BULLOCH
C	AD - 66H - UNITED SHOE MACHINERY
CA	TAP - D - BS - 25 - 429 UNITED SHOE MACHINERY
D	TLP - D - BS - 545 UNITED SHOE MACHINERY
E	TAP - D - BS - 429 UNITED SHOE MACHINERY
F	#CR 763 - W6 - 8 PARMENTER & BULLOCH
G	1/8 X 3/8 FLAT HD. 2 SF ALUM. CLEAR ANODIZED - PARMENTER & BULLOCH
H	7/32 X 1/2 BRAZIER HD. 55S ALLOY ALUM. CLEAR ANODIZED - PARMENTER & BULLOCH
I	7/32 X 3/8 BRAZIER HD. 55S (SOFT) ALLOY ALUM. CLEAR ANODIZED - PARMENTER & BULLOCH
J	7/32 X 1/2 BRAZIER HD. 55ST (HARD) ALLOY ALUM. CLEAR ANODIZED - PARMENTER & BULLOCH
K	7/32 X 5/8 BRAZIER HD. 55ST (HARD) ALLOY ALUM. - PARMENTER & BULLOCH
L	7/32 X 3/8 BRAZIER HD. 55ST (HARD) ALLOY ALUM. - PARMENTER & BULLOCH
M	3/16 X 1/2 SPECIAL UNIVERSAL HD. 2 SF ALLOY ALUM. CLEAR ANODIZED - PARMENTER & BULLOCH
N	3/16 X 3/8 SPECIAL UNIVERSAL HD. 2 SF ALLOY ALUM. CLEAR ANODIZED - PARMENTER & BULLOCH
O	5/32 X 3/8 UNIVERSAL HD. 2 SF ALLOY ALUM. CLEAR ANODIZED - PARMENTER & BULLOCH
P	1/8 X 3/8 BRAZIER HD. 2 SF ALLOY ALUM. CLEAR ANODIZED - PARMENTER & BULLOCH
Q	3/16 X 3/8 BRAZIER HD. 2 SF ALLOY ALUM. CLEAR ANODIZED - PARMENTER & BULLOCH
R	TAP - D - BS - 545 POP UNITED SHOE MACHINERY
S	#DR - 2210 - 06 - 5 3/16 X 3/8 BRAZIER HD. PIN GRIP DRIVE RIVETS SPAE NAUR #DR - 2210 - 04 - 5 3/16 X 1/4 BRAZIER HD. PIN GRIP DRIVE RIVETS SPAE NAUR
T	TAP - K - 635 - BS - 27 - UNITED SHOE MACHINERY
U	3/16 X 3/8 ALUM. UNIVERSAL HD. CLEAR ANODIZED - ALLOY METAL SALES
V	3/16 X 1/2 BRAZIER HD 2 SF ALLOY ALUM. CLEAR ANODIZED - PARMENTER & BULLOCH
W	5/32 X 1/4 BRAZIER HD. 2 SF ALLOY ALUM. CLEAR ANODIZED - PARMENTER & BULLOCH
X	TAP - D - BS - 545 UNITED SHOE MACHINERY
Y	#CR 763 - 8 - 10 PARMENTER & BULLOCH
Z	#CCR 73M - 130 - 6 - 4 PARMENTER & BULLOCH

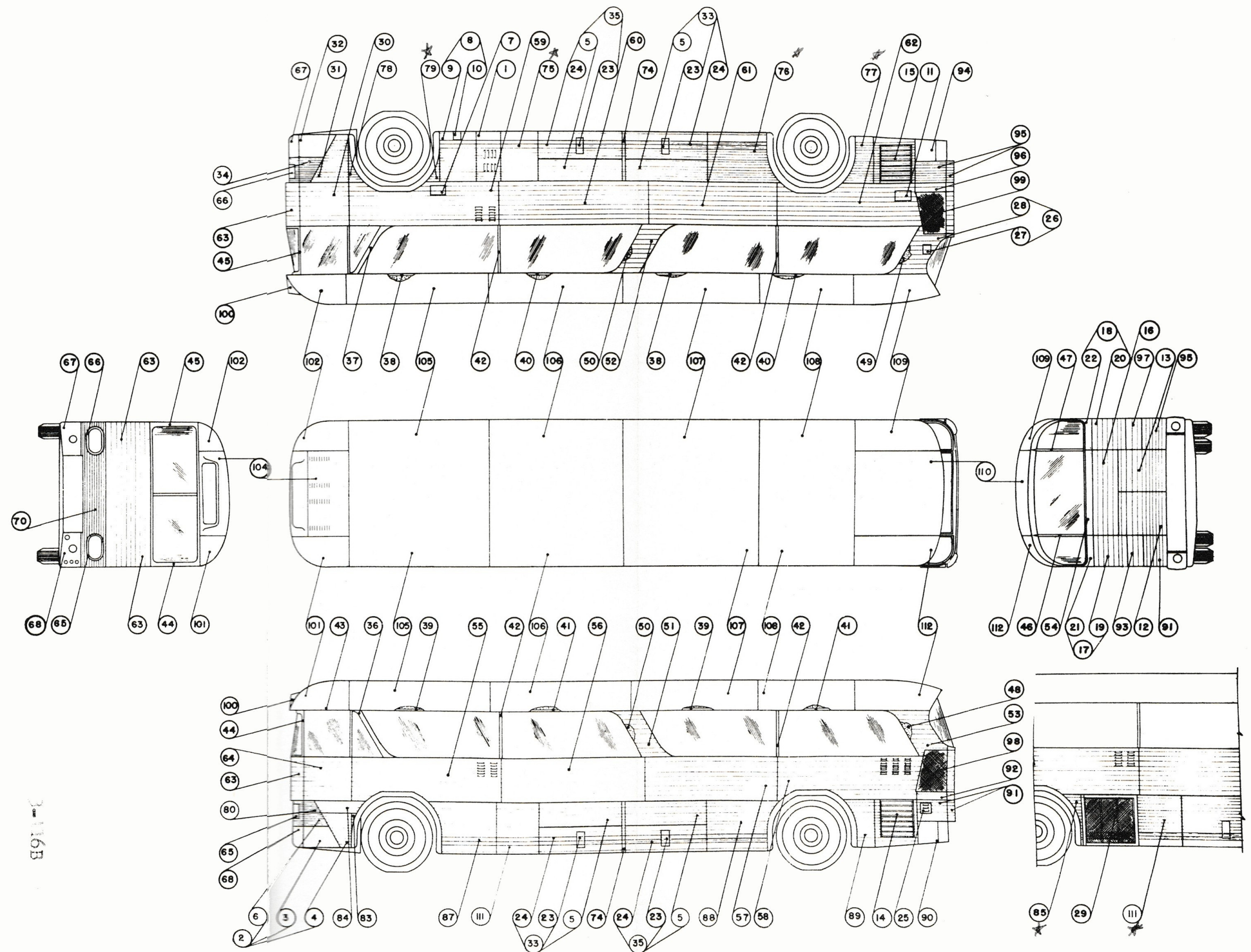


PLATE 3-74 EXTERIOR SERVICE DOORS & PANELS



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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 3-74		+ Used with Non-Extended Bumpers * Used with Extended Bumpers / Effective Prior To Coach Unit No. 5501 / Effective With Coach Unit No. 5501	
		<u>EXTERIOR PANELS - BELOW WINDOWS</u> 3.3502	
55	3C-35-10	Panel - #1 L.H. Behind Driver's Window	1
56	3C-35-129	Panel - #2 L.H. Behind Driver's Window	1
57	3C-35-24	Panel - #3 L.H. Behind Driver's Window	1
58	3C-35-136	Panel S/A - #4 L.H. Behind Driver's Window	1
	3C-36-127	Clip - Louvers Reinforcing	24
	3C-35-161	Drip Molding S/A - Front and Below Louvers	1
	3C-35-144	Drip Molding - Above Louvers	1
	N.P.N.	Pop Rivets - Tap - D-BS-8M545	9
59	3C-35-11	Panel - #1 R.H. Behind Entrance Door - Upper	1
60	3C-35-139	Panel - #2 R.H. Behind Entrance Door - Upper	1
61	3C-35-132	Panel - #3 R.H. Behind Entrance Door - Upper	1
62	3C-35-137	Panel - #4 R.H. Behind Entrance Door - Upper (Without Lav.)	1
62	3C-35-138	Panel - #4 R.H. Behind Entrance Door - Upper (With Lav. Less Door)	1
63/	3C-35-25	Panel - Below Windshield - Large	1
63//	3C-35-192	Panel - Below Windshield - Large	1
//	3C-35-193	Frame S/A - Cover Mounting to Access Hole in Above Panel	1
//	3C-35-196	Plate - Hole Cover for 3C-35-192 Panel	1
64	3C-35-104	Panel - Below Driver's Window	1
65	3C-35-206	Panel - Headlight Dished - L.H.	1
66	3C-35-207	Panel - Headlight Dished - R.H.	1
67*	3C-35-21	Panel Assembly - R.H. Foglight - With Dished Cup	1
68*	3C-35-17	Panel Assembly - L.H. Foglight - With Dished Cup	1
67+	3C-35-113	Panel Assembly - R.H. Foglight - C/W Seal & Retainer	1
68+	3C-35-109	Panel Assembly - L.H. Foglight - C/W Seal & Retainer	1
67+	3C-35-38	Panel - Plain - Without Hole for Foglight - R.H.	1
68+	3C-35-37	Panel - Plain - Without Hole for Foglight - L.H.	1
70	3C-35-162	Panel S/A - Headlight - C/W Shims	1
	3C-35-158	Panel Only - Lower Front	1
	3C-35-163	Strip - Shim Upper	2
	3C-35-164	Plate - Shim Centre and End Spacers	29
	3C-35-165	Strip - Shim Lower - Above Tire Door	1
	3C-35-166	Strip - Shim R.H. - Lower	1
	3C-35-167	Strip - Shim L.H. - Lower	1
74	3C-35-149	Panel S/A - R.H. & L.H. - Between Baggage Doors	2
	3C-35-150	Panel Only - R.H. & L.H. Between Baggage Doors	2
	3C-29-166	Casting - Protective Depression Reinforcing	2

Challenger**PARTS MANUAL**

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 3-74		<u>EXTERIOR PANELS BELOW WINDOWS (Cont'd)</u> 3.3503	
75	3C-35-147	Panel S/A - R.H. Behind Battery Door	1
	3C-35-148	Panel Only - R.H. Behind Battery Door	1
	3C-35-140	V-Panel - Protective Depression Reinforcing	1
	3C-29-165	Casting - Reinf. Depression at Ends and Centre	3
76	3C-35-151	Panel S/A - R.H. - Front of Rear Wheel Housing	1
	3C-35-184	Panel - R.H. - Front of Rear Wheel Housing	1
	3C-35-141	V-Panel - Protective Depression Reinforcing	1
	3C-29-165	Casting - Reinforcing Depression at Ends and Centre	3
88	3C-35-153	Panel S/A - L.H. - Front of Rear Wheel Housing	1
	3C-35-185	Panel S/A - L.H. Front of Rear Wheel Housing	1
	3C-35-141	V-Panel - Protective Depression Reinforcing	1
	3C-29-165	Casting - Reinforcing Depression at Ends and Centre	3
77	3B-35-83	Panel - R.H. - Rear of Rear Wheel Housing	1
89	3C-35-68	Panel - L.H. - Rear of Rear Wheel Housing	1
78	3A-35-186	Panel - R.H. - Front of Front Wheel Housing	1
79	3B-35-67	Panel - R.H. - Rear of Front Wheel Housing	1
80	3C-35-178	Panel S/A - S.S. Beaded - Above Fuse Door C/W Spacer	1
83	3A-35-198	Panel - L.H. - Behind Fuse Door	1
84	3A-35-200	Panel - L.H. - Above Fuse Door	1
85	3B-35-40	Panel - L.H. - Rear of Front Wheel Housing (With Air Cond.)	1
111	3C-35-155	Panel S/A - Rear of Condenser Door (With Air Cond.)	1
	3C-35-156	Panel - Only - Behind Condenser Door	1
	3C-35-142	V-Panel - Protective Depression Reinf.	1
	3C-29-165	Casting - Reinf. Depression at Ends & Centre	3
87	3C-35-179	Panel S/A - Rear of Front Wheel Housing (Less Air Cond.)	1
	3C-35-183	Panel S/A - Rear of Front Wheel Housing	1
	3C-35-181	V-Panel - Protective Depression Reinforcing	1
	3C-29-165	Casting - Reinforcing Depression at Ends & Centre	3
90	3A-35-344	Panel - L.H. - Plain - Front of Rear Bumperette	1
91	3C-35-105	Panel - L.H. - Rear Lower Corner - Side	1
91	3C-35-106	Panel - L.H. - Rear Lower Corner - Rear - Less Hole for Back- Up Light	1
91	3C-35-115	Panel - L.H. - Rear Lower Corner - Rear - With Hole for Back- Up Light	1
92	3B-35-105	Panel - L.H. - Below Radiator Screen	1
93	3B-35-107	Panel - Below L.H. Radiator Door	1
94	3A-35-345	Panel - R.H. - Plain Behind Rear Bumperette	1
95	3C-35-107	Panel - R.H. - Rear Lower Corner - Side	1
95	3C-35-108	Panel - R.H. - Rear Lower Corner - Rear	1
96	3B-35-106	Panel - Below R.H. Radiator Screen	1



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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
* **		Effective Prior to Coach Unit No. 5537 Effective With Coach Unit No. 5537	
Plate 3-74		<u>EXTERIOR PANELS BELOW WINDOWS (Cont'd)</u> 3.3504	
97	3B-35-108	Panel - Below R.H. Radiator Door	1
98	3C-35-49	Radiator Screen & Frame Assembly - L.H.	1
99	3C-35-55	Radiator Screen & Frame Assembly - R.H.	1
*	3C-35-81	Box S/A - Voltage Regulator	1
*	3C-35-85	Box S/A - Insulation Retaining - Volt Reg. Box	1
**	3C-35-205	Box S/A - Voltage Regulator	1
**	3C-35-202	Box S/A - Insulation Retaining - Volt Reg. Box	1
		<u>ROOF PANELS</u>	
100	3C-35-65	Roof Panel - Sign Box (Plastic)	1
101	3C-35-39	Roof Panel - Front Corner - L.H.	1
102	3C-35-40	Roof Panel - Front Corner - R.H.	1
104	3C-35-102	Panel Assembly - Above Destination Sign Box (With Louvers)	1
105	3B-35-114	Roof Panel - Front #1 Across	1
106	3B-35-115	Roof Panel - #2 Across	1
107	3B-35-116	Roof Panel - #3 Across	1
108	3B-35-117	Roof Panel - #4 Across	1
109	3C-35-42	Roof Panel - Rear Corner - R.H.	1
	3C-35-100	Panel S/A - Above Rear Center Window	1
	3C-35-41	Roof Panel - Rear Corner - L.H.	1
		<u>NOTE:</u> (For Exhaust Mechanism See Group 3.07) (For Baggage Door See Group 3.29) (For Battery Door See Group 3.30) (For Condenser Door, Fuel Compt. Door, Fuel Filler Door, L.H. & R.H. Radiator Doors Blower Compt. Door, L.H. & R.H. Rear Engine Service Door, & L.H. & R.H. Side Engine Door See Group 3.31) (For Entrance Door See Group 3.32)	

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PARTS MANUAL

KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>UNDERBODY PANELS</u> 3.3601	
		<u>FRONT TIRE COMPARTMENT PANELS</u>	
	3A-36-4	Panel - L.H. - Front Tire Floor (25" x 33 9/16" - .081 Alum.)	1
	3C-36-33	Panel - Centre - Front Tire Floor (33 1/2 x 46 1/4 - .081 Alum.)	1
	3A-36-6	Panel R.H. Front Tire Floor (23 1/4 x 33 1/2 - .081 Alum.)	1
	3A-36-8	Panel S/A - Closing Tire Compartment - Rear Vertical	1
	3C-36-95	Bracket S/A - Windshield Washer Mounting	1
		<u>CONTROL ROD COVER PANELS</u>	
	3C-36-6	Panel S/A - Front Control Rod Cover (Approx. 20 1/2" x 75 1/4" - .040 Aluminum)	1
	3C-36-2	Panel S/A - Rear Control Rod Cover (Approx. 20 1/2" x 70 1/2" - .040 Aluminum)	1
		<u>BULKHEAD PANELS</u>	
	3B-36-10	Panel - Closing Front Bulkhead (Approx. 26 1/2 x 95" - .081 Alum)	1
	3B-36-11	Panel - Closing Rear Bulkhead (Approx. 26 1/2 x 94" - .081 Alum)	1
	3A-59-187	Hat Channel - L.H. - Rear Air Tank Mounting - (Approx. 4 7/8" x 16 3/8" - 18 Ga. Corten)	1
	3A-59-188	Hat Channel - R.H. - Rear Air Tank Mounting - (Approx. 4 7/8" x 16 3/8" - 18 Ga. Corten)	1
	3A-59-186	Hat Channel - Front Air Tank Mounting - (Approx. 7" x 16 1/4" 18 Ga. Corten)	1
		<u>BAGGAGE COMPARTMENT DIVIDING PANELS</u>	
	3C-36-64	Panel - Dividing Baggage Compt. (Approx. 28 5/8" x 90 3/8" - .081 Aluminum)	1
	3C-36-85	Panel S/A - Rear of Front Bogie (Approx. 15" x 26 3/8" - .051 Aluminum) Includes the following:	1
	3C-36-52	Post - Battery Disconnect Switch Mounting	1
		<u>FUEL TANK COMPARTMENT PANELS</u>	
	3B-36-3	Panel - Closing Fuel Tank Compt. - R.H. Upper (25" x 42 1/2")	1
	3B-36-4	Panel - Closing Fuel Tank Truss - R.H. Front - 23 7/8" x 44"	1
	3B-36-5	Panel - Closing Fuel Tank Truss - R.H. - Rear (23 x 43")	1
	3B-36-75	Panel - Closing Fuel Compartment Bulkhead - L.H. End - (24 3/4 x 27 5/8")	1



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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
*		Effective Prior to Coach Unit #5401	
**		Effective With Coach Unit #5401	
		<u>WHEEL HOUSING PANELS</u> 3.3602	
	3A-36-21	Panel - Closing Floor - Front & Rear of Front Wheel Housing - L.H. & R.H. (Approx. 10" x 25 1/4" - .064 Alum.)	4
	3B-36-25	Panel - Closing Floor - Front of Rear Wheel Housing - L.H. & R.H. (Approx. 19 1/4" x 26" - .064 Alum.)	2
	3B-36-26	Panel - Closing Floor - Rear of Rear Wheel Housing - L.H. & R.H. (Approx. 11 3/4" x 26" - .064 Alum.)	2
	3B-36-23	Panel - L.H. - Side Closing - Vertical - Rear of Rear Wheel Housing - (Approx. 12" x 29 11/16" - .064 Alum.)	1
	3B-36-24	Panel - R.H. - Side Closing - Vertical - Rear of Rear Wheel Housing (Approx. 12" x 29 11/16" - .064 Alum.)	1
	3B-36-21	Panel - L.H. - Side Closing - Vertical - Front of Rear Wheel Housing - (Approx. 19 7/8" x 29 7/8" - .064 Alum.)	1
	3B-36-22	Panel - R.H. - Side Closing - Vertical - Front of Rear Wheel Housing - (Approx. 19 5/8" x 29 7/8" - .064 Alum.)	1
	3B-36-19	Panel - L.H. Closing - Vertical - Front of Front Wheel Housing - (Approx. 24" x 25 7/8" - .081 Alum.)	1
	3A-36-14	Panel - R.H. Closing - Vertical - Front of Front Wheel Housing - (Approx. 24" x 25 3/4" - .081 Alum.)	1
	3A-36-22	Panel - Closing - Rear of Front Wheel Housing - L.H. & R.H. - (Approx. 10" x 25 1/4" - .064 Alum.)	2
		<u>BATTERY COMPARTMENT PANELS</u>	
	3B-36-38	Panel - Closing - Rear of Battery Compartment - Vertical - (Approx. 26" x 28 3/4" - .081 Alum.)	1
		<u>ENGINE COMPARTMENT PANELS</u>	
	3C-36-93	Panel S/A - R.H. Motor Floor - W/O Lav.	1
*	3C-36-88	Panel S/A - R.H. Motor Floor - W/ Lav.	1
**	3C-36-98	Panel S/A - R.H. Motor Floor - W/Lav.	1
	3B-36-33	Panel S/A - L.H. Motor Floor - Formed for Muffler - (Approx. 46" x 57" - .064 Aluminum)	1
	3B-36-14	Panel - Rear of Rear Wheel Housing R.H. - (Approx. 25" x 27" - .081 Aluminum)	1
	3C-36-16	Panel - Rear of Rear Wheel Housing - L.H. (Approx. 25" x 27" - .081 Aluminum)	1
	3B-36-82	Panel S/A - R.H. Outer - Under Main Floor in Engine Compt. - (Approx. 17" x 19 3/4" - .040 Aluminum)	1
	3B-36-88	Panel S/A - R.H. Inner - Under Main Floor in Engine Compt. - (Approx. 15" x 16 13/16" - .040 Aluminum)	1
	3B-36-173	Panel S/A - Center - Under Main Floor in Engine Compt.-(.040 Aluminum)	1

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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
*		Effective Prior to Coach Unit # 5401	
**		Effective With Coach Unit # 5401	
		<u>ENGINE COMPARTMENT PANELS (Continued)</u> 3.3603	
	3B-36-97	Panel S/A - L.H. Inner - Under Main Floor in Engine Compt. - (Approx. 16 3/4" x 19 1/4" - .040 Aluminum)	1
	3B-36-93	Panel S/A - L.H. Outer - Under Main Floor in Engine Compt. - (Approx. 16 15/16" x 19 3/4" - .040 Aluminum)	1
*	3C-36-90	Gravel Guard S/A - Lavatory Drain	1
*	3C-36-91	Angle - Flap Retaining	1
*	3C-36-92	Flap - Drain Guard	1
**	3C-36-106	Gravel Guard S/A - Lavatory Drain	1
**	3C-36-107	Angle - Flap Retaining	1
**	3C-36-108	Flap - Gravel Guard	1
	3A-36-82	Panel - Rear L.H. Corner Vertical	1
		<u>REAR BOGIE CLOSING PANELS</u>	
	3B-36-140	Panel S/A - Closing - Rear of Rear Bogie - (Approx. 6 3/4" x 23" - .051 Aluminum)	1
	3B-36-137	Panel S/A - Front Center Section - Underlining Rear Bogie - (Approx. 13 3/4" x 26 3/16" - .064 Aluminum)	1
	3B-36-134	Panel S/A - Rear Center Section - Underlining Rear Bogie - (Approx. 26 3/16" x 43 1/4" - .064 Aluminum)	1
		<u>BAGGAGE COMPARTMENT FLOOR PANELS</u>	
	3C-36-57	Panel - Front Baggage Compartment Lining	1
	3C-36-58	Panel - Rear Baggage Compartment Lining	1
	3C-42-2	Plate - Baggage Floor Closing Cap - Front & Rear	2
	3C-42-1	Angle - Baggage Floor Closing Cap Mtg.	2
		<u>CORRUGATED PANELS BELOW BAGGAGE FLOORS</u>	
	3C-36-59	Panel S/A - Front Corrugated - Under Baggage Floor (Consists of following 2 panels)	1
	3C-36-60	Panel - L.H. - Large Corrugated	1
	3C-36-61	Panel - R.H. - Small Corrugated	1
	3C-36-62	Panel - Rear Corrugated Under Baggage Floor	1
		<u>FUEL COMPARTMENT FLOOR PANELS</u>	
	3B-36-112	Panel - Fuel Compartment Floor - (Approx. 26 5/8" x 86 11/16" - .064 Aluminum)	1
	3C-36-109	Gravel Guard S/A - Fuel Filler Overflow	1
	3C-36-110	Plate Only	1



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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
/		Effective Prior to Coach Unit # 5493	
//		Effective With Coach Unit #5493	
*		Effective Prior to Coach Serial #5467	
**		Effective With Coach Serial #5467	
		FUEL COMPARTMENT FLOOR PANELS	
		(Continued) 3.3702	
	3C-36-111	Angle Only	1
	3C-36-112	Gravel Guard Only	1
		BLOWER COMPARTMENT PANELS	
	3C-37-13	Panel - Center Blower Compt. Floor (Approx. 24 5/8" x 55 3/4" - .081 Alum.)	1
	3C-37-35	Panel S/A - L.H. Rad. Compartment Floor - (Approx. 26 1/2" x 28" - .081 Alum.)	1
*	3B-37-30	Panel S/A - R.H. Rad. Compartment Floor	1
**	3C-37-45	Panel S/A - R.H. Rad. Compartment Floor	1
*	3C-37-39	Panel S/A - R.H. Rad. Compartment - Upper	1
**	3C-37-42	Panel S/A - R.H. Rad. Compartment - Upper	1
/	3B-37-51	Panel - Lazyback - Vertical - Blower Compartment - Standard	1
//	3C-37-47	Panel - Lazyback - Vertical - Blower Compartment - Standard	1
/	3B-37-52	Panel - Lazyback - Vertical - Blower Compartment - With Lav.	1
//	3C-37-48	Panel - Lazyback - Vertical - Blower Compartment - With Lav.	1
	3B-37-40	Panel S/A - Above Rear Cross Seat Back - Rear	1
	3B-37-103	Panel S/A - Above Lazyback - L.H. Rear- (Approx. 6 3/4" x 18" - .051 Alum.)	1
	3B-37-100	Panel S/A - Above Lazyback - R.H. - Rear - (Approx. 6 3/4" x 18" - .051 Alum.)	1
	3B-37-94	Panel S/A - Center - Above Lazyback - Rear - (Approx. 6 3/4" x 54 1/4" - .051 Alum.)	1
	3C-37-1	Channel S/A - Radiator Seal - L.H. Front	1
	3C-37-5	Channel S/A - Radiator Seal - R.H. Front	1
	3C-37-23	U-Channel - Seal Rear Vertical Rad.	2
	3B-37-107	Panel - Front of Rear Cross Seat - L.H. - (Approx. 13 1/2 x 38 1/8" - .040 Alum)	1
		<u>NOTE: (2 Required Without Lavatory)</u>	
	3B-37-108	Panel - Front of Rear Cross Seat - R.H. (Approx. 3 1/2 x 38")	1
		<u>NOTE: For Baggage Floor & Corrugated Underlining Panels</u> See Group 3.36)	

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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>WHEEL HOUSING</u> 3.6001	
	3A-60-1	Wheel Housing - Front - Reinforced Plastic	2
	3A-60-3	Wheel Housing - Rear - Reinforced Plastic	2
		<u>BATTERY CARRIER COMPARTMENT</u> 3.6101	
	3B-61-75	Battery Carrier Frame Assembly - Fixed	2
	3B-61-76	Rail - L.H. - Side Guide - (Viewing Compartment)	2
	3B-61-77	Rail - R.H. - Side Guide - (Viewing Compartment)	2
	3B-61-78	Angle - Tie Front	2
	3B-61-79	Angle - Tie Rear	2
	3B-61-80	Gusset - Front	4
	3B-61-81	Gusset - Rear	4
	3C-61-14	Angle - Fastening Front	2
	3B-61-86	Bracket - Roller Mounting - L.H.	2
	3B-61-87	Bracket - Roller Mounting - R.H.	2
	3B-61-88	Shoulder Bolt - Roller Mounting	4
	3B-61-90	Rollers - Mounting Shoulder Bolt	4
	3C-61-13	Wear Plate	2
	3B-61-95	Battery Carrier Frame Assembly - Sliding	2
	3B-61-96	Side Channel - L.H. - (Viewing Battery Compartment)	2
	3B-61-97	Side Channel - R.H. - (Viewing Battery Compartment)	2
	3B-61-98	Tie Extrusion - Outer	2
	3B-61-99	Tie Extrusion - Inner	2
	3B-61-100	Roller Bracket - Dual - L.H. - (Viewing Battery Compt.)	2
	3B-61-101	Roller Bracket - Dual - R.H. - (Viewing Battery Compt.)	2
	3B-61-103	Roller - Nylon - 1 1/4" Dia. x 11/16" Wide	8
	3B-61-104	Tie Strips - 2 x .102 Alum. 12 3/32" Long	4
	3B-61-105	Gussets - 5 1/2" x 3 1/2" x .102 Alum.	8
	3B-61-107	Clip Angles - Front - Outer 1 1/2" x 1 1/2" x 1/8 Alum. x 1 3/4" Long	4
	3B-61-108	Clip Angles - Front - Outer 1 3/4" x 1 1/2" x 3/16" Alum. x 3" Long	2
	3B-61-109	Stop Angle - 1 1/2" x 1" x 1/8" Aluminum x 4" Long	2
	3B-61-111	Bolt - Anchor Battery Cover to Tray - 3/8 - 20 x 8" Long	2
	3B-61-112	Bolt - Anchor Battery Cover to Tray	2
	3B-61-37	Tray - Holds Large 12 Volt Battery	2

SECTION 4

Brakes & Air System

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Front Brakes	4.01
Front Air Brake Chambers	4.02
Front Air Brake Slack Adjuster	4.03
Rear Brakes	4.04
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Rear Air Brake Slack Adjuster	4.06
Air Compressor	4.07
Governor - Air Compressor	4.08
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Rear Air Brake Relay Valve	4.11
Quick Release Valve	4.12
Stop Light Switch	4.13
Low Air Pressure Indicator Switch	4.14
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Safety Valve	4.17
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MISCELLANEOUS AIR EQUIPMENT

Miscellaneous Air Supply Valves	4.22
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PARKING BRAKE

Push-Pull Valve	4.28
Inversion Valve	4.29

Note: See Section 6 for Air Shutter
See Section 12 for Air Suspension - Check Valves

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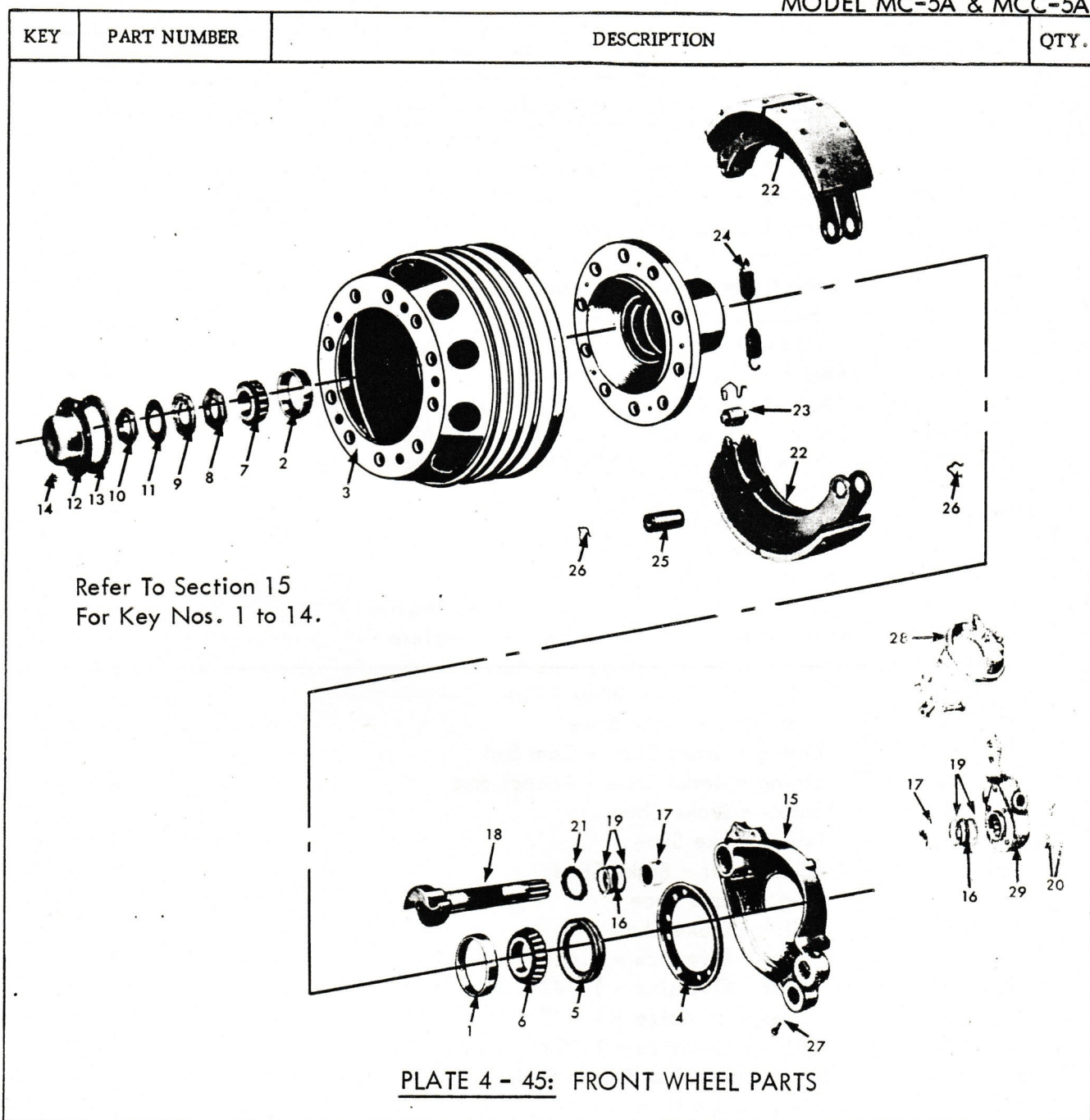


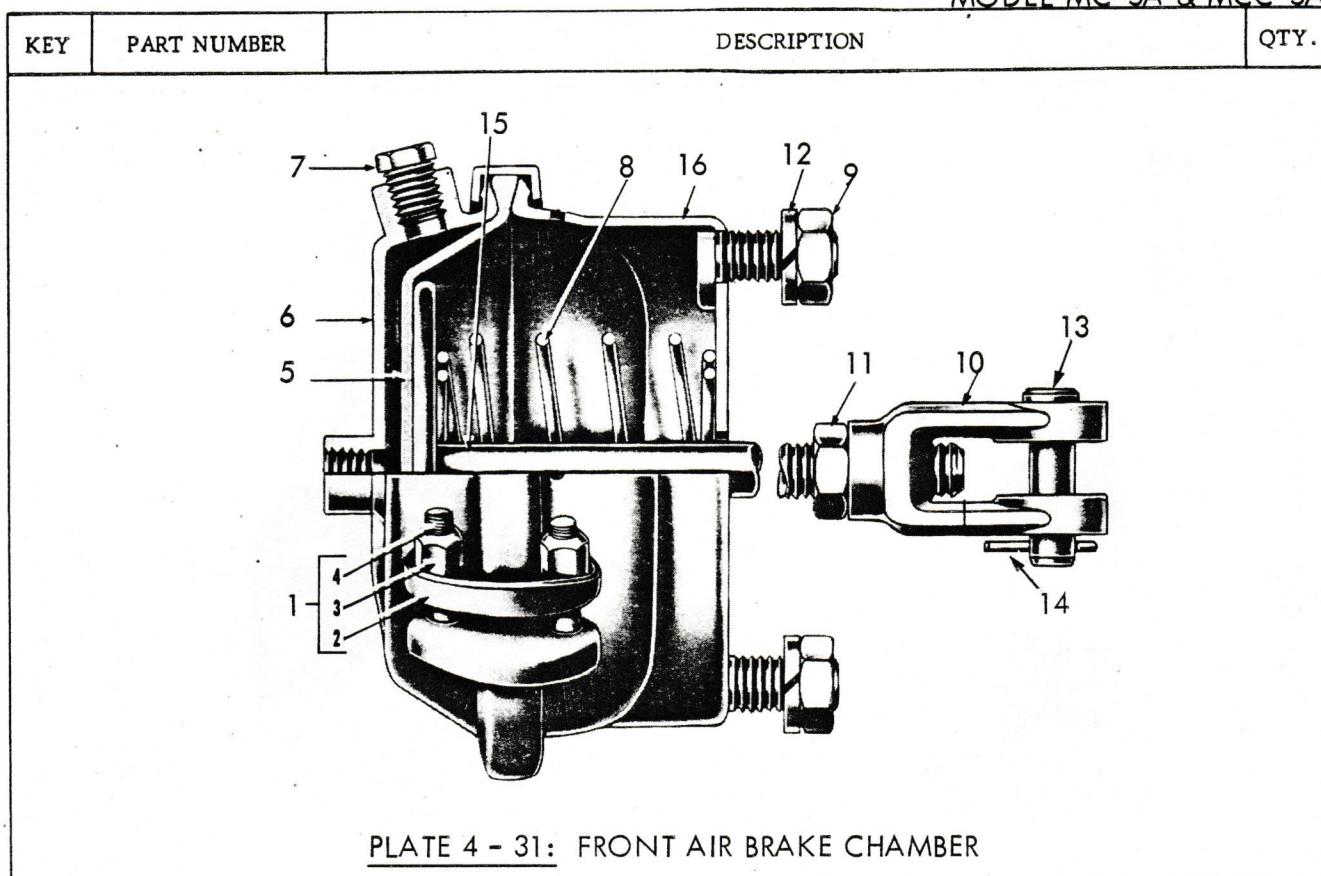
Plate	FRONT AIR BRAKES		4.0101
4-45			
15	4C-1-11	Brake Spider, Bearing Stud & Oil Seal Assembly - L.H.	1
	4C-1-12	Brake Spider, Bearing Stud & Oil Seal Assembly - R.H.	1
16	4-4-25	Oil Seal Assembly - Brake Camshaft - L.H. & R.H.	4
17	4C-1-45	Bushing - Brake Spider - L.H. & R.H.	4
	4C-1-46	Spacer - Brake Spider Bushing - L.H. & R.H.	2
	4C-1-47	Spider and Knuckle Stud - Brake - L.H. & R.H.	2
	4C-1-13	Nut - Brake Spider & Knuckle Stud - Upper	2
	4C-1-14	Nut - Brake Spider & Knuckle Stud - Lower	2

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KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 4-45		<u>FRONT AIR BRAKES (Cont'd)</u> 4.0102	
	4C-1-15	Plain Washer - Brake Spider & Knuckle Stud	4
	4C-1-16	Brake Chamber Bracket Assembly - L.H. - Incl. Dowel	1
	4C-1-17	Brake Chamber Bracket Only - L.H.	1
	4C-1-18	Dowel - Brake Chamber Bracket - L.H.	2
	4C-1-19	Brake Chamber Bracket Assembly - R.H. - Incl. Dowel	1
	4C-1-20	Brake Chamber Bracket Only - R.H.	1
	4C-1-18	Dowel - Brake Chamber Bracket - R.H.	1
	4C-1-21	Stud - Brake Chamber Bracket	2
	4C-1-22	Nut - Brake Chamber Bracket Stud	2
	4C-1-23	Cotter - Brake Chamber Bracket Stud Nut	2
	4C-1-24	Washer - Brake Chamber Bracket Stud Nut	2
18	4C-1-25	Brake Camshaft - L.H.	1
	4C-1-26	Brake Camshaft - R.H.	1
19	4C-1-27	Washer - Camshaft (Use As Required)	8
20	4C-1-28	Spacing Washer - Camshaft	4
21	4C-1-29	Spacing Washer - Camshaft (Use As Required)	2
	4C-1-30	Brake Shoe & Lining Assembly - Complete	4
22	4C-1-2	Brake Shoe & Bushing Assembly	4
	4C-1-3	Brake Shoe Assembly - Fin.	4
	4C-1-4	Bushing - Brake Shoe	4
	4C-1-5	Lining - Brake Shoe - Cam End	4
	4C-1-6	Lining - Brake Shoe - Anchor End	4
	4C-1-8	Screw - Brake Shoe	32
	4-4-57	Nut - Brake Shoe	32
	4-4-513	Lockwasher - Brake Shoe	32
	4C-1-7	Plug - Brake Shoe	32
23	4C-1-9	Roller - Brake Shoe	4
	4C-1-41	Roller - Oversize - 1.617/1.613 O.D.	A.R.
	4C-1-42	Roller - Oversize - 1.742/1.738 O.D.	A.R.
	4C-1-43	Roller - Oversize - 1.847/1.863 O.D.	A.R.
	4C-1-44	Roller - Oversize - 1.992/1.988 O.D.	A.R.
	4C-1-10	Pin - Brake Shoe Return Spring	4
24	4C-1-31	Spring - Brake Shoe	4
25	4C-1-32	Anchor Pin - Brake Shoe	4
26	4A-1-18	Lock Ring - Brake Shoe Anchor Pin	2
27	4C-1-34	Screw - Brake Shoe Anchor Pin Lock	2
	4C-1-35	Lockwasher - Brake Shoe Anchor Pin Lock Screw	2
	4C-1-40	Kit - Brake Lining - Front Brakes	1
28		See Group 4.02	
29		See Group 4.03	

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KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 4-31		<u>FRONT AIR BRAKE CHAMBERS</u>	4.0201
	4C-2-1	Brake Chamber Assembly - Less Yoke L.H. & R.H.	2
16	4C-2-2	Plate - Non Pressure	2
15	4C-2-3	Push Rod Assembly	2
11	4A-2-8	Nut - Yoke Lock	2
1	4C-2-4	Clamping Ring Assembly	2
2	4C-2-5	Ring - Clamp	2
3	4-2-994	Nut - 5/16 - 24 - Clamping Ring	4
4	4C-5-9	Bolt - 5/16 - 24 - Clamping Ring	4
5	4C-2-6	Diaphragm	2
6	4C-2-7	Plate - Pressure	2
7	4A-2-17	Plug - 1/4" Pipe Hex. Hd.	2
8	4C-2-8	Spring	2
9	4C-2-9	Nut - 5/8 - 18 Hex.	6
10	4C-2-10	Yoke - Brake Chamber	2
12	4A-2-23	Lockwasher - Brake Chamber Stud Nut	4
13	4A-2-21	Pin - Brake Chamber Yoke	2
14	4A-2-22	Cotter - Yoke Pin	2

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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
PLATE 4 - 32: FRONT SLACK ADJUSTER LEVER			

Plate
4-32FRONT AIR BRAKE SLACK ADJUSTERS

4.0301

	4C-3-1	Brake Slack Adjuster Lever Assembly - L.H.	1
	4C-3-2	Brake Slack Adjuster Lever Assembly - R.H.	1
3	4C-3-3	Body - L.H.	1
3	4C-3-4	Body - R.H.	1
8	4-3-10	Bushing	2
1	4C-3-5	Pin	2
7	4C-3-6	Worm	2
11	4C-3-7	Gear - Worm	2
6	4C-3-8	Shaft - Worm	2
5	4-3-7	Lock - Worm Shaft	2
4	4-3-6	Spring - Worm Lock	2
10	4C-3-9	Cover	4
2	4-6-105	Rivet	10
9	4-3-11	Welch Plug	2
	4C-3-10	Button	4
	4C-3-11	Ring - Retaining Slack Adjuster	2
	4C-3-17	Dial - Brake Lining Wear Gauge	2
	4C-3-18	Pointer - Brake Lining Wear Gauge	2

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MODEL MC-5A & MCC-5A

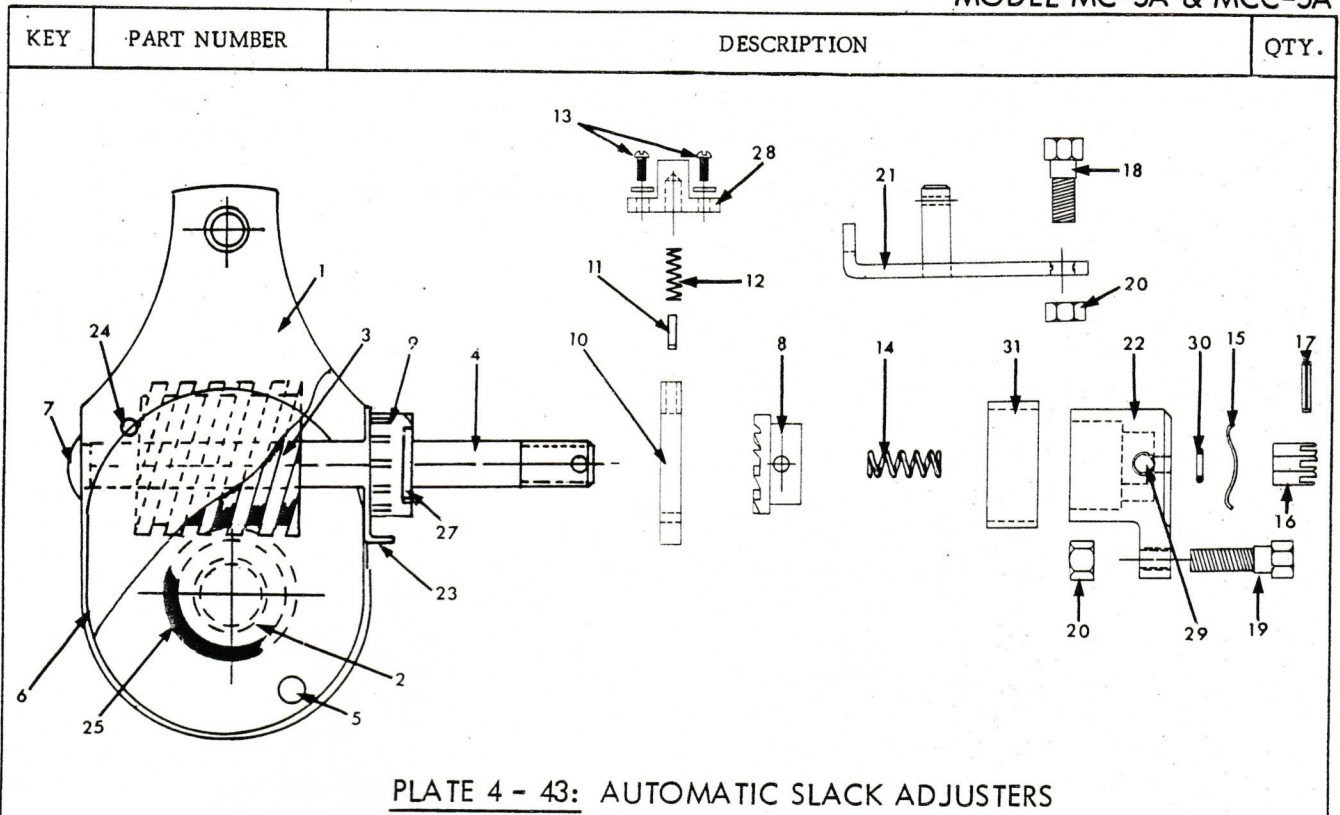


Plate 4-43		4.0302	
		BAKER/MIDLAND AUTOMATIC SLACK ADJUSTERS (OPTIONAL)	
	4C-3-43	Slack Adjuster Assy. - R.H. Front	1
	4C-3-44	Slack Adjuster Assy. - L.H. Front	1
1	4C-3-45	Housing Only - R.H. Front	1
1	4C-3-46	Housing Only - L.H. Front	1
2	4C-3-47	Wheel, Reverse - L.H. Front	1
3	4C-3-48	Worm, Reverse - L.H. Front	1
2	4C-3-49	Wheel, Std. - R.H. Front	1
3	4C-3-50	Worm, Std. - R.H. Front	1
4	4C-3-51	Shaft - Worm	2
24	4C-3-52	Pin - Shaft Locking	2
5	4C-3-53	Rivet	10
6	4C-3-54	Side Plate	4
7	4C-3-55	Plug - 5/8 Welsh	2
27	4C-3-56	"C" Washer - Ratchet Retaining	2
23	4C-3-57	Lockplate	2
22	4C-3-58	Housing	2
8	4C-3-59	Ratchet, Drive - R.H. Front	1
9	4C-3-60	Ratchet, Driven - R.H. Front	1
8	4C-3-61	Ratchet, Drive - L.H. Front	1
9	4C-3-62	Ratchet, Driven - L.H. Front	1
10	4C-3-63	Locating Ring	2
28	4C-3-64	Housing - Anti-Back off	2

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Plate 4-43		BAKER/MIDLAND AUTOMATIC SLACK ADJUSTERS (OPTIONAL) (Cont'd)	
		4.0303	
11	4C-3-65	Pin - Anti-Back off	2
12	4C-3-66	Spring - Anti-Back off	2
13	4C-3-67	Screw - Anti-Back off	4
15	4C-3-68	Spring - Housing Retainer	2
14	4C-3-69	Spring - Ratchet	2
30	4C-3-70	"O" Ring	2
25	4C-3-71	"O" Ring - Cam Shaft	4
16	4C-3-72	Nut - Slotted	2
17	4C-3-73	Roll Pin - For Above Nut	2
18	4C-3-24	Shoulder Bolt (short)	2
19	4C-3-23	Shoulder Bolt (long)	2
20	4C-3-25	Nut - Jam	2
31	4C-3-74	Boot - Neoprene	2
	4C-3-22	Link	2
21	4C-3-21	Clevis Adapter	2
29	N.P.N.	Grease Fitting - 90° - 1/4 - 28	2



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GROUP:	4.04		
MODEL MC-5A & MCC-5A			

KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>REAR AIR BRAKES</u> 4.0401	
	4C-4-1	Brake Spider & Bushing & Oil Seal Assembly - L.H.	1
	4C-4-2	Brake Spider & Bushing & Oil Seal Assembly - R.H.	1
	4C-4-3	Brake Spider & Bushing Assembly - L.H.	1
	4-4-34	Bushing Only	2
	4-4-25	Oil Seal Assembly	2
	4C-4-4	Brake Spider & Bushing Assembly - R.H.	1
	4-4-34	Bushing Only	2
	4-4-25	Oil Seal Assembly	2
	4-4-992	Bolt - Brake Spider & Housing	18
	4C-4-5	Bolt - Brake Spider & Housing	2
	4C-4-6	Washer - Brake Spider & Housing Bolt	2
	4C-4-7	Nut - Brake Spider & Housing Bolt	20
	4C-4-8	Pin - Brake Shoe Anchor	4
	4-4-7	Nut - Brake Shoe Anchor Pin	4
	4-4-517	Lockwasher - Brake Shoe Anchor Pin	4
	4C-4-9	Brake Shoe & Lining Assy.	4
	4C-4-40	Brake Shoe & Bushing S/A - Less Lining	2
	4C-1-4	Bushing - Brake Shoe	2
	4C-4-25	Lining - Brake Shoe Cam End	4
	4C-4-26	Lining - Brake Shoe Anchor End	4
	4C-1-8	Screw - Brake Shoe Lining	32
	4-4-57	Nut - Brake Shoe Bolt	32
	4-4-513	Lockwasher - Brake Shoe Bolt	32
	4C-1-7	Plug - Brake Shoe	32
	4C-4-33	Roller - Brakeshoe	4
	4C-4-35	Roller - Oversize - 1.617/1.613 O.D.	A.R.
	4C-4-36	Roller - Oversize - 1.742/1.738 O.D.	A.R.
	4C-4-37	Roller - Oversize - 1.867/1.863 O.D.	A.R.
	4C-4-38	Roller - Oversize - 1.992/1.988 O.D.	A.R.
	4C-4-34	Pin - Return Spring	4
	4C-4-10	Spacing Washer - Brake Shoe Anchor Pin - 1/32 (As Required)	4
	4C-4-11	Spacing Washer - Brake Shoe Anchor Pin - 1/16 (As Required)	4
	4C-4-12	Spacing Washer - Brake Shoe Anchor Pin - 3/32 (As Required)	4
	4C-4-14	Spacing Washer - Brake Shoe Anchor Pin - 5/32 (As Required)	4
	4C-4-15	Strap - Brake Shoe Anchor Pin	2
	4C-4-16	Dowel - Brake Shoe Anchor Pin Strap	4
	4C-4-17	Nut - Brake Shoe Anchor Pin	4
	4C-4-18	Shake Proof Washer - Brake Shoe Anchor Pin Nut	4
	4C-4-19	Spring - Brake Shoe Return	2
	4C-4-20	Brake Camshaft - L.H.	1
	4C-4-21	Brake Camshaft - R.H.	1
	4-4-112	Washer - Brake Camshaft	2
	4C-4-23	Kit - Brake Lining - Rear Brakes	1

4 - BRAKES & AIR SYSTEM

SECTION

4.05

GROUP

MODEL MC-5A

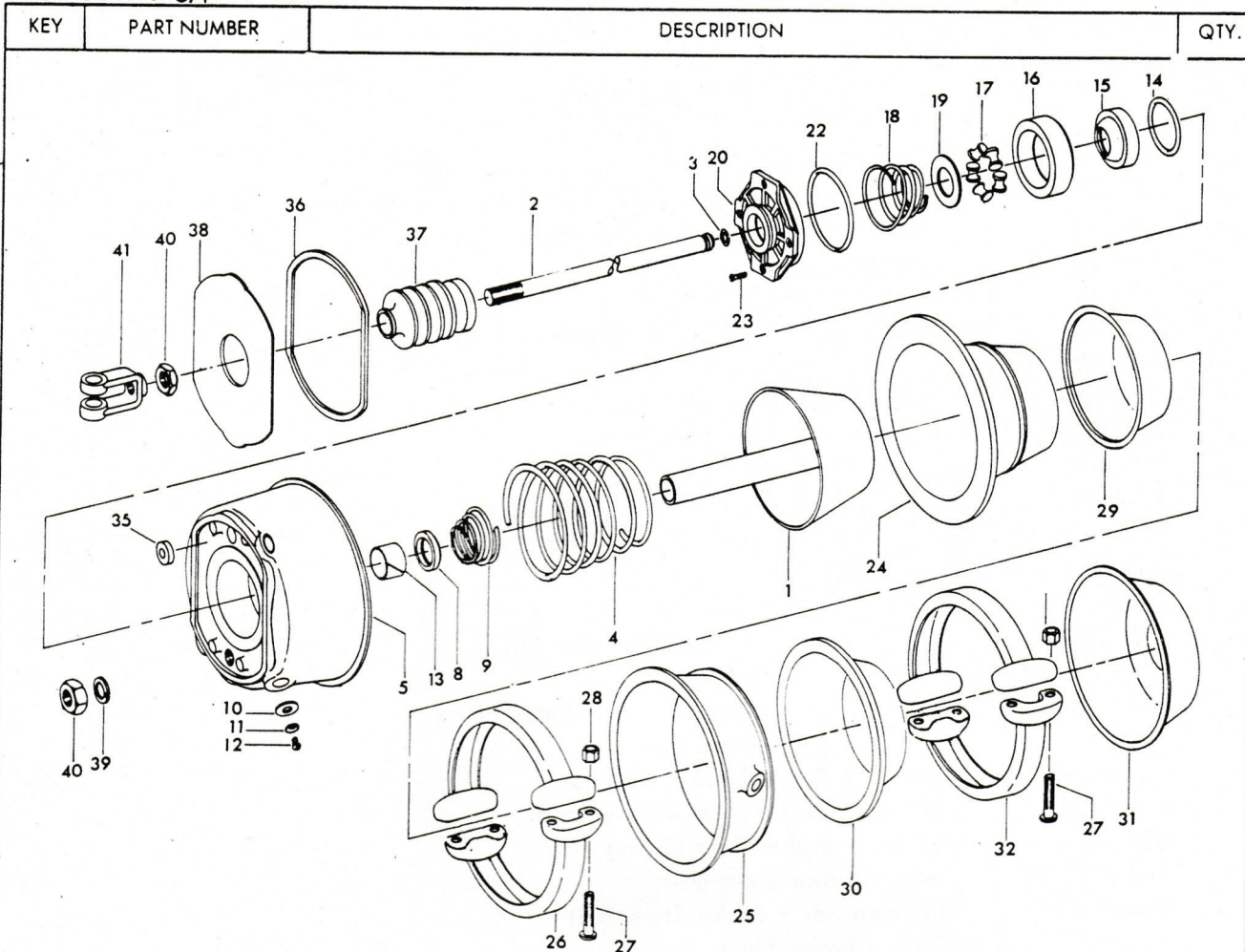
Challenger**PARTS MANUAL****PLATE 4 - 68: REAR WHEEL BRAKE CHAMBERS**

Plate	Part Number	Description	QTY.
4-68		REAR WHEEL BRAKE CHAMBERS	4.0501
	4C-5-10	Brake Chamber Assy. R.H. Rear	1
	4C-5-23 10	Brake Chamber Assy. L.H. Rear	1
1	4B-5-4	Shaft Assy.	1
2	4C-5-3	Push Rod	1
3	4B-5-36	Retaining Ring	1
4	4B-5-21	Spring - Return	1
5	4C-5-24	Non-Pressure Plate Assy. - L.H.	1
	4C-5-25	Non-Pressure Plate Only	1
	4C-5-26	Stud	2
	4C-22-6	Pip Plug - 1/16"	3
	4C-5-27	Retainer	1
5	4C-5-35	Non-Pressure Plate Assy. - R.H.	1
	4C-5-36	Non-Pressure Plate Only	2
	4C-5-26	Stud	2
	4C-22-6	Pipe Plug - 1/16"	3
	4C-5-27	Retainer	1



Challenger

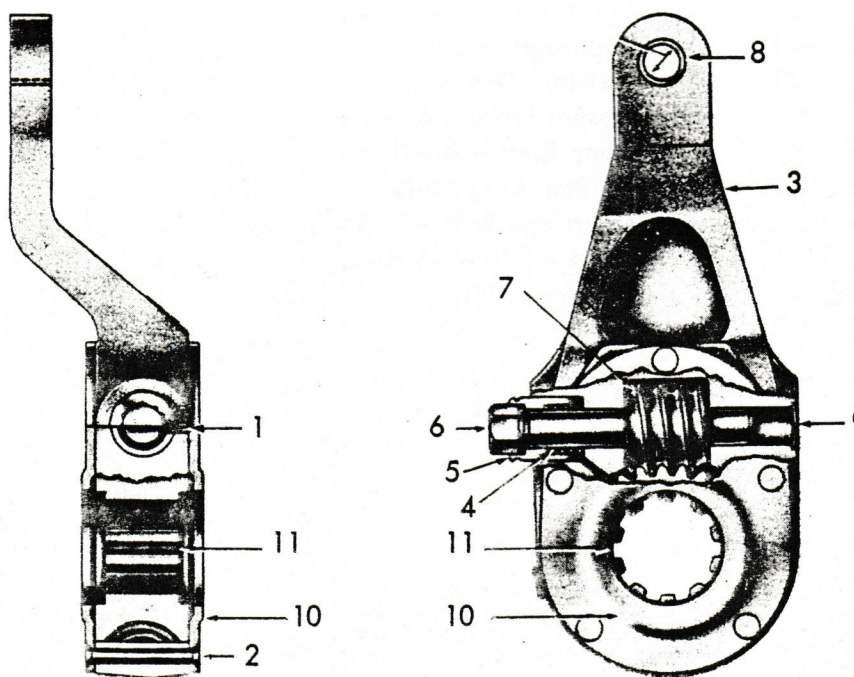
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MODEL MC-5A			

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 4-68		<u>REAR WHEEL BRAKE CHAMBERS (Cont'd.)</u>	4.0502
8	4M-5-22	Wiper - Rod	1
9	4M-5-23	Spring - Retaining	1
10	4M-5-30	Diaphragm - Breather	1
11	4M-5-31	Washer - Diaphragm	1
12	4M-5-32	Screw - Diaphragm	1
13	4B-5-16	Bearing	1
14	4B-5-17	"O" Ring	1
15	4B-5-27	Piston	1
16	4B-5-28	Collar	1
17	4B-5-29	Roller	8
18	4B-5-32	Spring - Roller	1
19	4B-5-31	Washer	1
	4C-5-19	Cap - Complete	1
20	4M-5-25	Cap Only	1
	4M-5-26	Retainer	1
	4M-5-27	Spring	1
22	4C-5-13	"O" Ring	1
23	4B-5-38	Screw	4
24	4C-5-20	Diaphragm - Service	1
25	4C-5-28	Pressure Plate - Service	1
	4C-5-29	Clamp Ring - Service	1
26	4C-5-30	Clamp Ring Only	2
27	4C-5-31	Carriage Bolt - 3/8 - 16	2
28	4C-5-32	Nut - 3/8 - 16 Hex.	2
29	4M-5-21	Diaphragm Separator	1
30	4C-5-21	Auxiliary Diaphragm	1
31	4B-5-3	Pressure Plate - Auxiliary	1
	4C-5-33	Clamp Ring - Auxiliary	1
32	4C-5-34	Clamp Ring Only	2
27	4C-5-31	Carriage Bolt - 3/8 - 16	2
28	4C-5-32	Nut - 3/8 - 16 Hex.	2
35	4B-5-37	Breather - Felt	1
36	4M-5-28	Gasket	1
37	4B-5-22	Boot	1
38	4C-5-14	Splash Guard	1
39	4B-5-33	Lockwasher	2
40	4B-5-23	Nut	3
41	4C-5-4	Yoke Assy.	1
	4C-5-5	Yoke Only	1
	4C-5-6	Pin - Yoke	1
	4C-5-7	Cotter Pin	1

PARTS MANUAL

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 4-32		<u>REAR AIR BRAKE SLACK ADJUSTERS</u> 4.0601	
	4C-6-1	Brake Slack Adjuster Lever Assembly - L.H.	1
	4C-6-2	Brake Slack Adjuster Lever Assembly - R.H.	1
3	4C-6-3	Body - L.H.	1
3	4C-6-4	Body - R.H.	1
8	4B-6-3	Bushing	2
1	4C-3-5	Pin	2
7	4C-3-6	Worm	2
11	4C-3-7	Gear - Worm	2
6	4C-3-8	Shaft - Worm	2
5	4-3-7	Lock - Worm Shaft	2
4	4-3-6	Spring - Worm Lock	2
10	4C-3-9	Cover	4
2	4B-6-6	Rivet	10
9	4-3-11	Plug - Welch	2
	4C-3-10	Button	4
	4-4-114	Spacing Washer - Slack Adjuster Lever	2
	4-4-116	Spacing Washer - Slack Adjuster Lever	2
	4A-4-17	Washer - Slack Adjuster Retaining	4
	4A-4-18	Lock Ring - Slack Adjuster Retaining	2

PLATE 4 - 32

REAR SLACK ADJUSTER LEVER

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MODEL MC-5A & MCC-5A

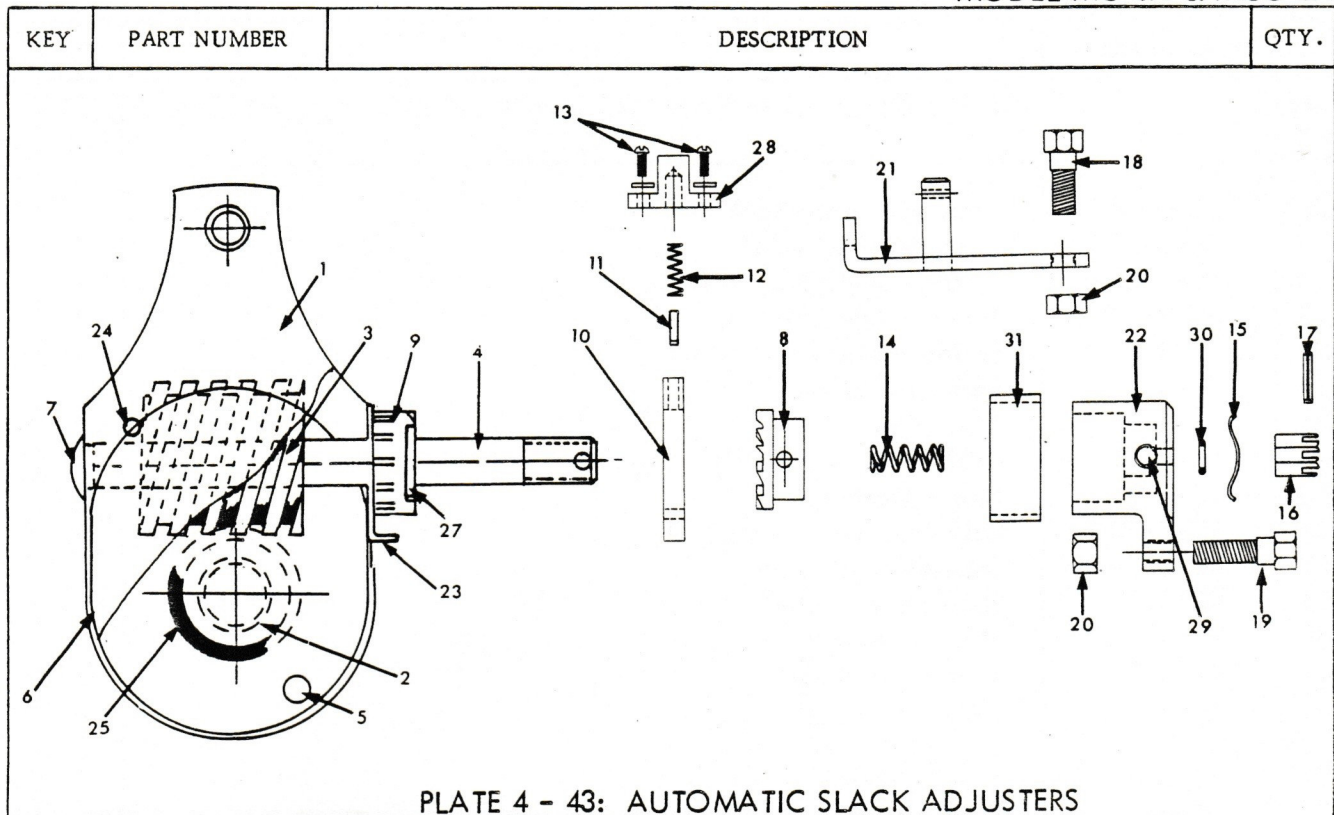


Plate 4-43		4.0602	
		BAKER/MIDLAND AUTOMATIC SLACK ADJUSTERS (OPTIONAL)	
	4C-6-10	Slack Adjuster Assy. - R.H. Rear	1
	4C-6-11	Slack Adjuster Assy. - L.H. Rear	1
1	4C-6-12	Housing Only - R.H. Rear	1
1	4C-6-13	Housing Only - L.H. Rear	1
2	4C-3-47	Wheel, Reverse - R.H. Rear	1
3	4C-3-48	Worm, Reverse - R.H. Rear	1
2	4C-3-49	Wheel, Std. - L.H. Rear	1
3	4C-3-50	Worm, Std. - L.H. Rear	1
4	4C-3-51	Shaft - Worm	2
24	4C-3-52	Pin - Shaft Locking	2
5	4C-3-53	Rivet	10
6	4C-3-54	Side Plate	4
7	4C-3-55	Plug - 5/8 Welsh	2
27	4C-3-56	"C" Washer - Ratchet Retaining	2
23	4C-3-57	Lockplate	2
22	4C-3-58	Housing	2
8	4C-3-59	Ratchet, Drive - L.H. Rear	1
9	4C-3-60	Ratchet, Driven - L.H. Rear	1
8	4C-3-61	Ratchet, Drive - R.H. Rear	1
9	4C-3-62	Ratchet, Driven - R.H. Rear	1
10	4C-3-63	Locating Ring	2

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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 3-43		BAKER/MIDLAND AUTOMATIC SLACK ADJUSTERS (OPTIONAL) (Cont'd)	
		4.0603	
28	4C-3-64	Housing - Anti-Back off	2
11	4C-3-65	Pin - Anti-Back off	2
12	4C-3-66	Spring - Anti-Back off	2
13	4C-3-67	Screw - Anti-Back off	4
15	4C-3-68	Spring - Housing Retainer	2
14	4C-3-69	Spring - Ratchet	2
30	4C-3-70	"O" Ring	2
25	4C-3-71	"O" Ring - Cam Shaft	4
16	4C-3-72	Nut - Slotted	2
17	4C-3-73	Roll Pin - For Above Nut	2
18	4C-3-24	Shoulder Bolt (short)	2
19	4C-3-23	Shoulder Bolt (long)	2
20	4C-3-25	Nut - Jam	2
31	4C-3-74	Boot - Neoprene	2
	4C-6-9	Link - R.H. Rear	1
	4C-6-14	Link - L.H. Rear	1
21	4C-6-8	Clevis Adapter - R.H. Rear	1
21	4C-6-7	Clevis Adapter - L.H. Rear	1
29	N.P.N.	Grease Fitting - 90° - 1/4 - 28	2

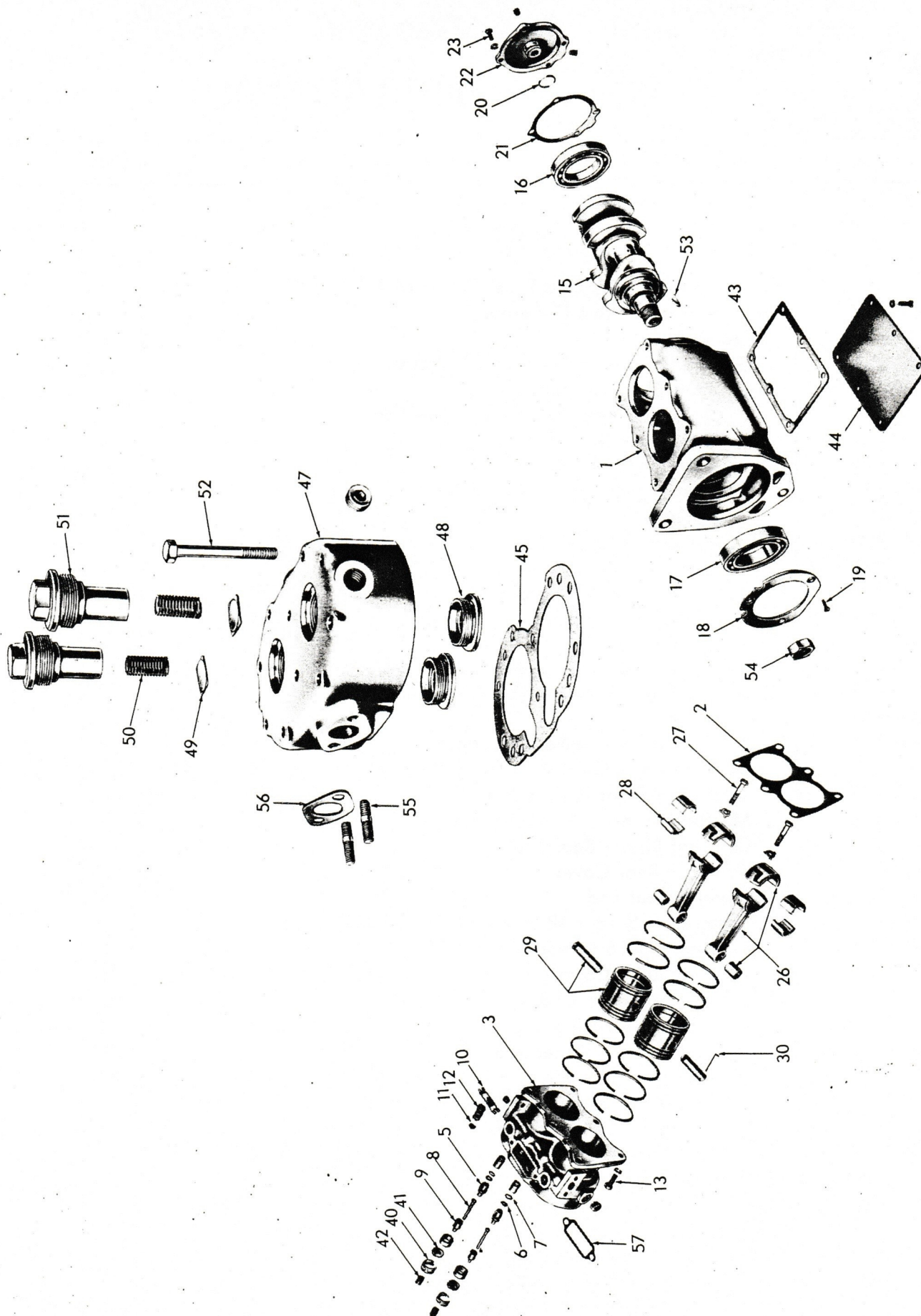


PLATE 4 - 19: AIR COMPRESSOR

Challenger**PARTS MANUAL**

MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 4-19		Effective Prior To Coach Unit #5637 <u>AIR COMPRESSOR</u> 4.0701	
	4C-7-1	Air Compressor - (Flange Type 500) - With Governor	1
	4C-7-3	Air Compressor - Less Governor	1
1	4A-7-51	Crankcase	1
2	4-7-232	Gasket - Cylinder Block to Crankcase	1
	4-7-281	Cylinder Block - Complete	1
3	4-7-288	Cylinder Block - Includes Valve Seats	1
	4-7-295	Unloader Piston - Complete	2
5	4-7-296	Unloader Piston	2
6	4-7-220	Back Up Ring	2
7	4-7-266	Grommet	2
8	4-7-298	Unloader Plunger	2
9	4-7-299	Unloader Plunger Guide	2
10	4-7-300	Unloader Spring Saddle	1
11	4-7-226	Unloader Spring Seat	1
12	4-7-190	Unloader Spring	1
13	4-7-234	Capscrew - Block to Crankcase - 3/8 - 16	6
	4-7-235	Lockwasher - Block to Crankcase - 3/8	6
15	4A-7-52	Crankshaft	1
16	4-7-237	Ball Bearing - Crankshaft - Rear	1
17	4-7-163	Ball Bearing - Crankshaft - Front	1
18	4A-7-53	Retainer - Front Ball Bearing	1
19	N.P.N.	Machine Screw - # 10 - 24 Flat Hd. - Retainer	3
20	4-7-31	Oil Seal Ring - Rear End Cover	1
21	4-7-238	Gasket - Rear Cover	1
22	4A-7-54	Cover - Rear End	1
23	4-7-240	Capscrew - 5/16 - 18 Hex. Hd. - Rear End Cover	4
	4-7-241	Lockwasher - 5/16 - Rear End Cover	4
	4A-7-6	Connecting Rod - Complete	2
26	4A-7-7	Connecting Rod & Cap	2
27	4A-7-8	Bolt - Connecting Rod	4
	4A-7-9	Lockwasher - Connecting Rod	4
28	4A-7-10	Insert - Connecting Rod Bearing - Std.	4
	4A-7-11	Insert - Connecting Rod Bearing - .010 U/S	
	4A-7-12	Insert - Connecting Rod Bearing - .020 U/S	
	4A-7-13	Insert - Connecting Rod Bearing - .030 U/S	
29	4A-7-18	Piston & Pin Assembly - Std.	2
	4A-7-19	Piston & Pin Assembly - .010 O/S	
	4A-7-20	Piston & Pin Assembly - .020 O/S	
	4A-7-21	Piston & Pin Assembly - .030 O/S	
	4A-7-23	Pin - Wrist - .005 O/S	
30	4-7-176	Lockwire - Wrist Pin	2
	4A-7-28	Piston Ring Set - Std. - (Per Compressor)	1



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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 4-19		Effective Prior To Coach Unit #5637 <u>AIR COMPRESSOR (Cont'd)</u> 4.0702	
	4A-7-29	Piston Ring Set - .010 O/S	
	4A-7-30	Piston Ring Set - .020 O/S	
	4A-7-31	Piston Ring Set - .030 O/S	
40	4A-7-39	Inlet Valve Guide	2
41	4-7-192	Inlet Valve	2
42	4-7-193	Inlet Valve Spring	2
43	4A-7-55	Gasket - Cover to Crankcase	1
44	4A-7-56	Cover - Crankcase (Bottom)	1
45	4-7-287	Gasket - Cylinder Head to Cylinder Block	1
	4C-7-4	Cylinder Head - Complete	1
47	4C-7-5	Cylinder Head - Includes Valve Seat	2
48	4-7-270	Discharge Valve Seat	2
49	4-7-271	Discharge Valve	2
50	4-7-13	Discharge Valve Spring	2
51	4-7-272	Discharge Valve Cap Nut	2
52	4-7-273	Capscrew - 5/16 - Head to Block	10
53	4A-7-57	Key - Crankshaft	1
54	4A-7-58	Nut - Crankshaft	1
55	4-7-202	Stud - Discharge Manifold - 5/16	2
56	7-7-3	Gasket - Discharge Manifold	1
57	4-7-203	Gasket - Inlet Manifold	1
	4C-7-2	Adapter - Air Inlet	1
	4A-7-65	Compressor Unloader Repair Kit	2

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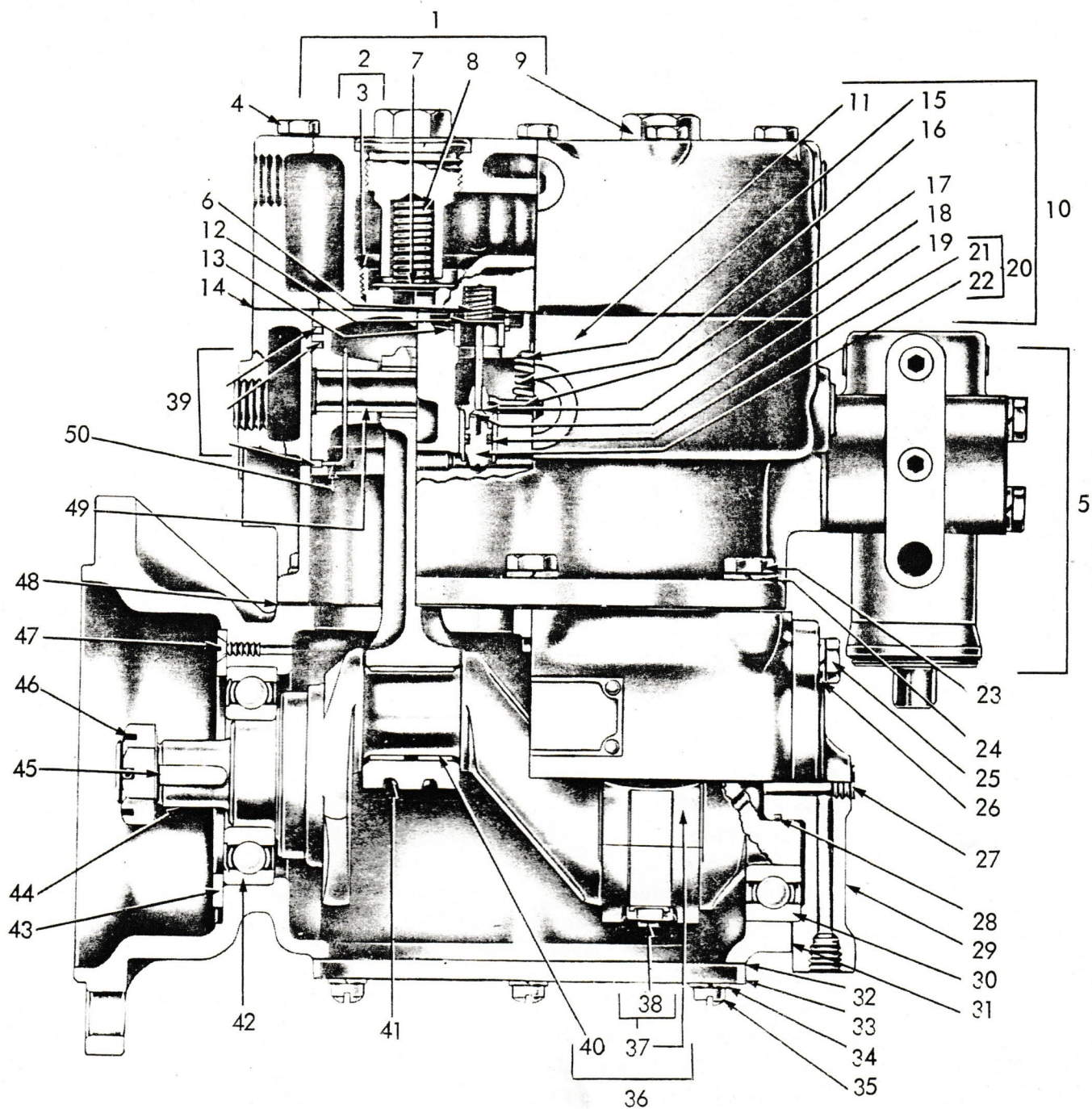


PLATE 4 - 41: AIR COMPRESSOR - TU-FLO 600
Effective Coach Unit No. 5637

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4-BRAKES & AIR SYSTEM

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MODEL MC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>COMPRESSOR - TU-FLO 600</u> 4.0703	
		Effective Coach Unit No. 5637	
	4C-7-11	Compressor Assembly - Tu-Flo 600 C/W D-2 Governor	1
1	4C-7-28	Cylinder Head Assy. - Complete	1
2	4C-7-5	Cylinder Head Body Assy.	1
3	4C-7-270	Discharge Valve Seat	2
7	4-7-271	Discharge Valve	2
8	4-7-13	Discharge Valve Spring	2
9	4C-7-29	Discharge Valve Cap Nut	2
10	4C-7-13	Cylinder Block Assy. - Complete	1
11	4C-7-14	Cylinder Block Body Assy.	1
15	4C-7-15	Unloader Spring Seat	1
16	4-7-190	Unloader Spring	1
17	4-7-300	Unloader Spring Saddle	1
18	4-7-299	Unloader Plunger Guide	2
19	4-7-298	Unloader Plunger	2
20	4-7-295	Unloader Piston Assy.	2
21	4-7-220	Back-Up Ring	2
	4-7-266	Grommet	2
22	4-7-296	Unloader Piston	2
23	4-7-234	Cap Screw	6
24	4-7-235	Lock Washer	6
25	4-7-240	Cap Screw	4
26	4-7-241	Lock Washer	4
27	4C-8-3	Pipe Plug - 1/8"	1
28	4-7-31	Oil Seal Ring	1
29	4A-7-54	Rear End Cover	1
30	4-7-237	Ball Bearing - Rear	1
31	4-7-242	Gasket - Rear End Cover	1
32	4A-7-55	Gasket - Crankcase Cover	1
33	4A-7-56	Crankcase Cover	1
34	4A-7-45	Lock Washer - 1/4"	6
35	4A-7-62	Machine Screw - 1/4 - 20 Oval Hd.	6
36	4C-7-16	Connecting Rod Complete	2
37	4C-7-17	Connecting Rod & Cap Assy.	2
38	4A-7-8	Bolt	4
40	4A-7-10	Bearing Insert	4
41	4A-7-9	Lock Washer	4
42	4-7-163	Ball Bearing - Front	1
43	4A-7-53	Retaining Ring	1
44	4A-7-52	Crankshaft	1
45	4A-7-57	Key	1
46	4A-7-58	Nut	1
47	N.P.N.	Screw - #10-24 Flat Hd.	3



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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>COMPRESSOR - TU-FLO 600 (Cont'd)</u> 4.0704	
48	4C-7-12	Cylinder Block Gasket	1
49	4C-7-18	Piston & Wrist Pin Set	2
	4C-7-22	Wrist Pin	2
50	4-7-176	Wrist Pin Lockwire	2
39	4C-7-23	Piston Ring Set - Std. Size	1
14	4C-7-27	Gasket - Cylinder Head	1
13	4A-7-39	Inlet Valve Guide	2
12	4-7-192	Inlet Valve	2
6	4-7-193	Inlet Valve Spring	2
4	4-7-273	Cap Screw	10
	4-7-203	Gasket - Strainer	1
	4C-7-33	Gasket - Governor	1
	4C-7-31	Cap Screw - 5/16 - 18 Hex. Hd. Mtg. Governor to Compressor	2
	4-7-20	Pipe Plug - 1/4"	1
	4-7-162	Pipe Plug - 3/8"	6
	4A-7-51	Crankcase	1
5	4C-8-2	Governor - Type D-2	1
	4C-7-30	Compressor Unloader Repair Kit	2
	4C-7-19	Piston & Pin Assy. - .010 Oversize	2
	4C-7-20	Piston & Pin Assy. - .020 Oversize	2
	4C-7-21	Piston & Pin Assy. - .030 Oversize	2
	4C-7-24	Piston Ring Set - .010 Oversize	2
	4C-7-25	Piston Ring Set - .020 Oversize	2
	4C-7-26	Piston Ring Set - .030 Oversize	2

4 - BRAKES & AIR SYSTEM

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MODEL MC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
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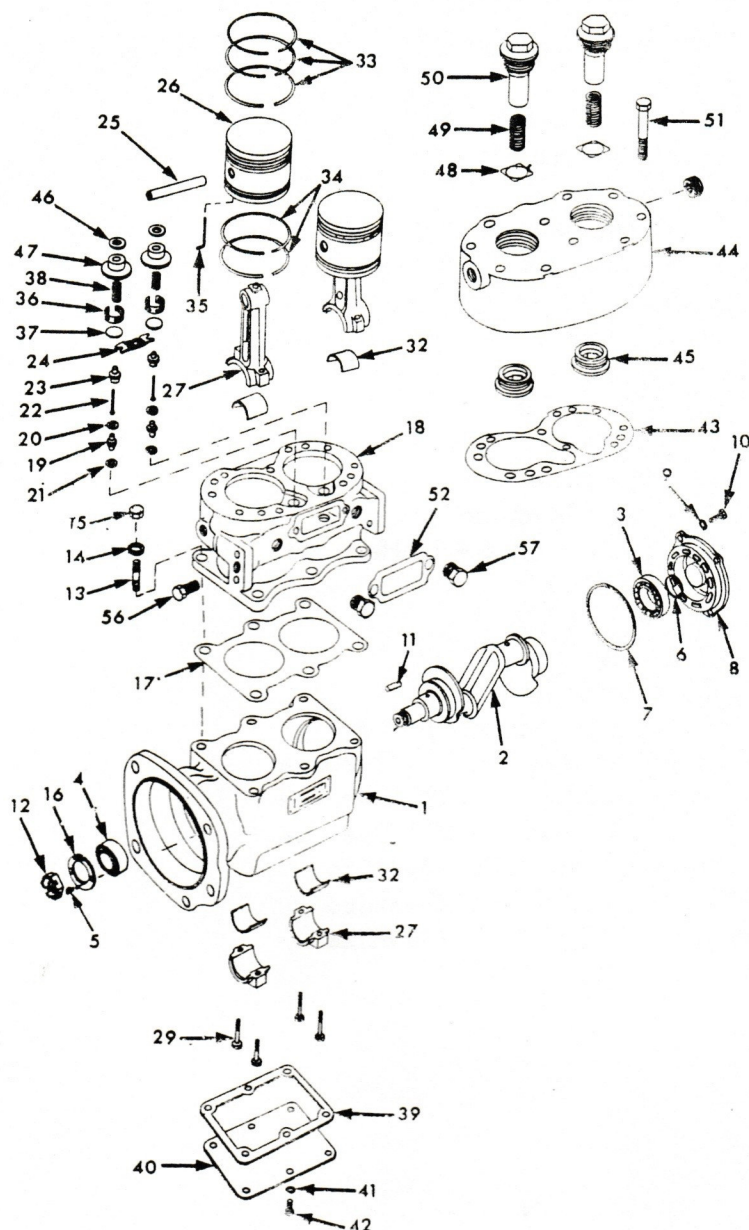


PLATE 4-69: AIR COMPRESSOR - TU-FLO 600

Plate		AIR COMPRESSOR - TU-FLO 600 (W/STEEL CON. RODS)	
4-69			4.0703
	4C-7-34	Air Compressor Assy. - Tu-Flo 600 complete	1
	4C-7-39	Crankcase and Crankshaft Assy.	1
1	4A-7-51	Crankcase	1
2	4A-7-52	Crankshaft	1
3	4-7-237	Ball Bearing - Large, Cover End	1
4	4-7-163	Ball Bearing - Small, Flange End	1
5	4M-7-11	Screw - Fl. Hd. Mach. (# 10 - 24)	3



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MODEL MC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 4-69		<u>AIR-COMPRESSOR - TU-FLO 600 (W/STEEL CON. RODS)</u> <u>(Cont'd)</u> 4.0704	
6	4-7-31	Ring - Oil Seal	1
7	4-7-242	Gasket - End Cover	1
8	4A-7-54	Cover - Rear End	1
9	4C-7-32	Lockwasher - 5/16	4
10	4-7-240	Screw - 5/16 - 18 Hex. Hd. Cap	4
11	4A-7-57	Key - Crankshaft	1
12	4A-7-58	Nut - Crankshaft	1
13	2F-6-45	Stud - 3/8" Dia.	6
14	4-7-156	Lockwasher - 3/8"	6
15	4-7-157	Nut - 3/8" - 24 Hex.	6
16	4A-7-53	Retaining - Ball Bearing	1
17	4C-7-12	Gasket - Cylinder Block	1
	4C-7-13	Cylinder Block Assy. - Complete	1
	4C-7-14	Cylinder Block Assy. - Complete	1
18	4M-7-8	Block - Cylinder	1
	4M-7-7	Bushing	2
	4-7-160	Seat - Inlet Valve	2
	4-7-295	Unloader Piston Assy.	2
19	4-7-296	Piston - Unloader	1
20	4-7-220	Ring - Back Up	1
21	4-7-266	Grommet	1
22	4-7-298	Unloader Plunger	2
23	4-7-299	Guide - Unloader Plunger	2
24	4-7-300	Saddle - Unloader Spring	1
	4C-7-15	Seat - Unloader Spring	1
	4-7-190	Spring - Unloader	1
	4C-7-35	Connecting Rod & Piston Assy. - Complete	2
	4C-7-18	Piston & Pin Assy.	1
25	4M-7-12	Wrist Pin	1
26	4M-7-13	Piston	1
	4-7-245	Rod Assy. - Connecting	1
27	4-7-246	Rod & Cap	1
	4-7-247	Bushing - Wrist Pin	1
29	4-7-248	Bolt - Rod & Cap	2
	4-7-168	Nut - 5/16 - 24 Castle	2
	4-7-182	Cotter Pin	2
32	4-7-249	Insert - Bearing (Std. Size)	2
	4C-7-41	Piston Ring Set - Std.	2
33	4C-7-36	Ring - Narrow	3
34	4C-7-37	Ring - Wide	2
35	4-7-176	Lockwire - Wrist Pin	1
36	4A-7-39	Guide - Inlet Valve	2
37	4-7-192	Valve - Inlet	2

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4 - BRAKES & AIR SYSTEM

SECTION

4.07

GROUP

MODEL MC-5A

Challenger**PARTS MANUAL**

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 4-69		AIR COMPRESSOR - TU-FLO 600 (W/STEEL CON. RODS) (Cont'd) 4,0705	
38	4-7-193	Spring - Inlet Valve	2
39	4A-7-55	Gasket - Crankcase Cover	1
40	4A-7-56	Cover - Crankcase	1
41	4A-7-45	Lockwasher - 1/4"	6
42	4A-7-62	Screw - 1/4" - 20 Oval Fil. Hd. Mach.	6
43	4C-7-27	Gasket - Cylinder Hd.	1
	4C-7-4	Cylinder Head Assy.	1
	4C-7-5	Head - Cylinder Body - Complete	1
44	4M-7-4	Head - Cylinder	1
45	4-7-270	Seat - Discharge Valve	2
46	4M-7-6	Seat - Inlet Valve Spring	2
47	4M-7-5	Insert - Inlet Valve Spring	2
48	4C-22-5	Valve - Discharge	2
49	4-7-13	Spring - Discharge Valve	2
50	4-7-272	Nut - Discharge Valve Cap	2
51	4-7-273	Screw - 5/16" - 18 Hex. Hd. Cap	10
52	4-7-228	Gasket - Strainer	1
	4C-7-33	Gasket - Governor	1
	4C-7-31	Cap Screw - Governor Mtg., 5/16 - 18 Hex. Hd.	2
	4C-7-32	Lockwasher - 5/16"	2
56	4-7-20	Pipe Plug - 1/4"	1
57	4-7-162	Pipe Plug - 3/8"	1
	4C-7-30	Unloader Kit	2
	4A-7-11	Insert - Bearing, .010 U/S	4
	4A-7-12	Insert - Bearing, .020 U/S	4
	4A-7-13	Insert - Bearing, .030 U/S	4
	4C-7-42	Piston Ring Set - .010 O/S	2
	4C-7-43	Piston Ring Set - .020 O/S	2
	4C-7-44	Piston Ring Set - .030 O/S	2
	4C-7-19	Piston & Pin Assy. - 010 O/S	2
	4C-7-20	Piston & Pin Assy. - 020 O/S	2
	4C-7-21	Piston & Pin Assy. - 030 O/S	2
	4C-7-40	Field Maint. Kit.	1
	11C-9-57	Crab - Air Compressor and P.S. Pump Retaining	1
	11C-9-58	Stud - Retaining Crab	1
	11C-9-59	Extension Nut - On Stud	1
	11C-9-62	Flat Washer - Retaining Crab	1

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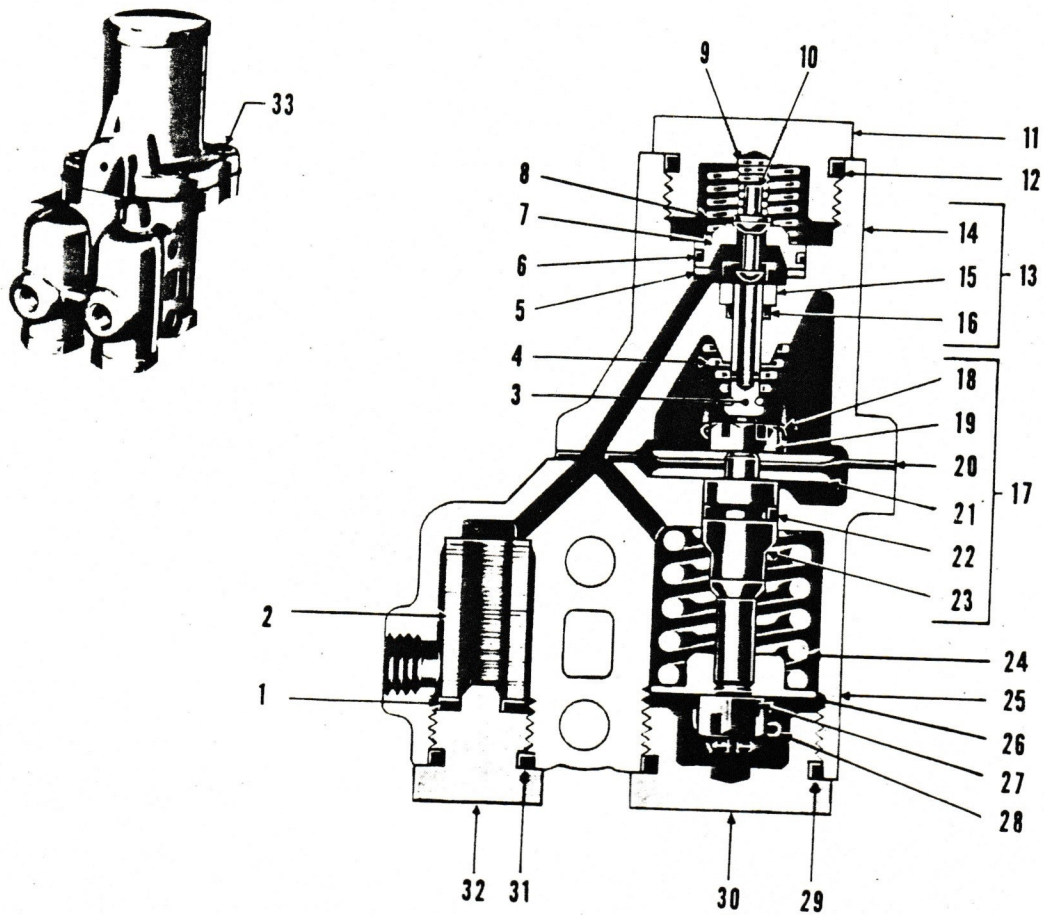


PLATE 4 - 3 - GOVERNOR (Type "D")



Challenger

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4 - BRAKES & AIR SYSTEM

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4.08

MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>GOVERNOR</u>	
Plate 4-3		(Effective Up To Unit No. 5416 and No. 5420) 4.0801	
	4A-8-1	Governor - Type D (105-120) - Mtd. on Compressor	1
1	4-8-40	Washer	2
2	4-8-41	Filter	2
3	4A-8-2	Stem - Exhaust	1
4	4A-8-3	Spring - Exhaust	1
5	4-8-44	Shim - .010 (Use as required to obtain inlet opening)	1
5	4-8-45	Shim - .003 .030" to .040"	As Req'd
6	4-8-46	Grommet - .75" O.D. x .625 I.D.	1
7	4-8-47	Seat - Inlet Valve	1
9	4-8-49	Spring - Inlet Valve	1
8	4-8-48	Spring - Seat Retaining	1
10	4-8-50	Inlet - Exhaust Valve	1
11	4-8-51	Screw Cap - Valve Body	2
12	4-8-78	Grommet - 1.234" O.D.	1
13	4-8-53	Valve Body Assembly	1
14	4-8-54	Body - Valve	1
15	4-8-55	Bushing - Guide	1
16	4-8-56	Grommet - 5/16" O.D.	1
17	4-8-80	Diaphragm & Stem Assembly	1
18	4-8-58	Pin - Cotter 1/16 x 3/8	1
19	4-8-59	Nut - 1/4 - 28	1
20	4-8-60	Diaphragm	1
21	4-8-61	Follower - Diaphragm	2
22	4-8-82	Grommet - .504" O.D.	1
23	4-8-81	Stem - Diaphragm	1
24	4-8-65	Spring - Pressure Setting	1
25	4A-8-5	Cage - Spring	1
16	4-8-67	Seat - Spring	1
27	4-8-68	Nut - Adjusting	1
28	4-8-69	Pin - Cotter 1/16 x 5/16	1
29	4-8-78	Grommet - 1.234" O.D.	1
30	4-8-71	Screw Cap - Spring Cage	1
31	4-8-83	Grommet - .75" O.D. - .05" I.D.	2
32	4-8-73	Screw Cap - Strainer	2
33	4A-8-7	Screw - Cap - 1/4 - 20 Fill. Hd. Machine Valve Body Spring to Cage	4
	4A-15-113	Lubricant - Used in Reassembly (As Required)	

PARTS MANUAL

MODEL MC-5A & MCC - 5A

KEY	PART NUMBER	DESCRIPTION	QTY.
<u>GOVERNOR</u>			
Plate 4-38		(Effective Coach Unit No. 5417 - 5419 and 5421 and Up)	
	4C-8-2	Governor - Type D2	1
1	4C-8-4	Valve Spring	1
2	4C-8-5	Valve	1
3	4C-8-6	Piston Assembly	1
4	4C-8-7	Piston	1
5	4-8-82	Grommet - 11/32" O.D.	1
6	4C-8-9	Washer	1
7	4C-8-10	Screw & Spring Assembly - Adjusting	1
8	4C-8-11	Spring Seat - Lower	2
9	4C-8-12	Spring	1
10	4C-8-13	Spring Guide	1
11	4C-8-14	Spring Seat - Upper	1
12	4C-8-15	Nut	1
13	4C-8-16	Screw - Adjusting	1
14	4C-8-17	Cover	1
15	4C-8-18	Ring - Retaining	1
16	4C-8-19	Stem - Exhaust	1
17	4C-8-20	Spring - Exhaust Stem	1
18	4C-8-21	Body Assembly	1
19	4C-8-22	Body	1
20	4C-8-23	Filter	2
21	4C-8-24	Grommet 1.09" O.D.	2
22	4C-8-3	Pipe Plug - 1/8"	4

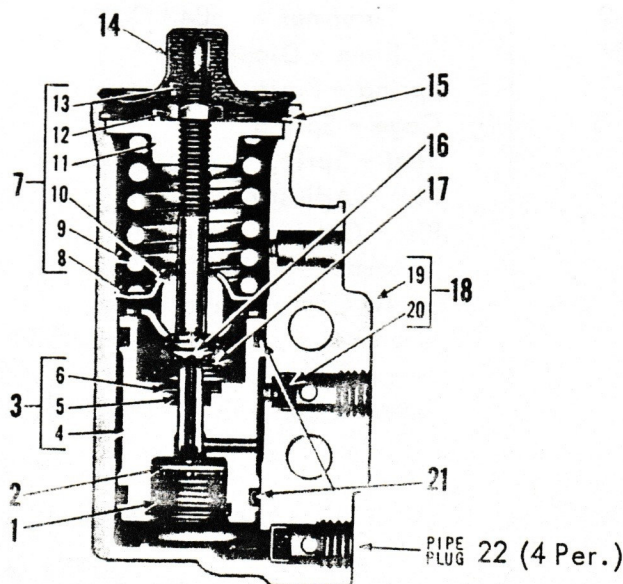


PLATE 4 - 38 D-2 GOVERNOR

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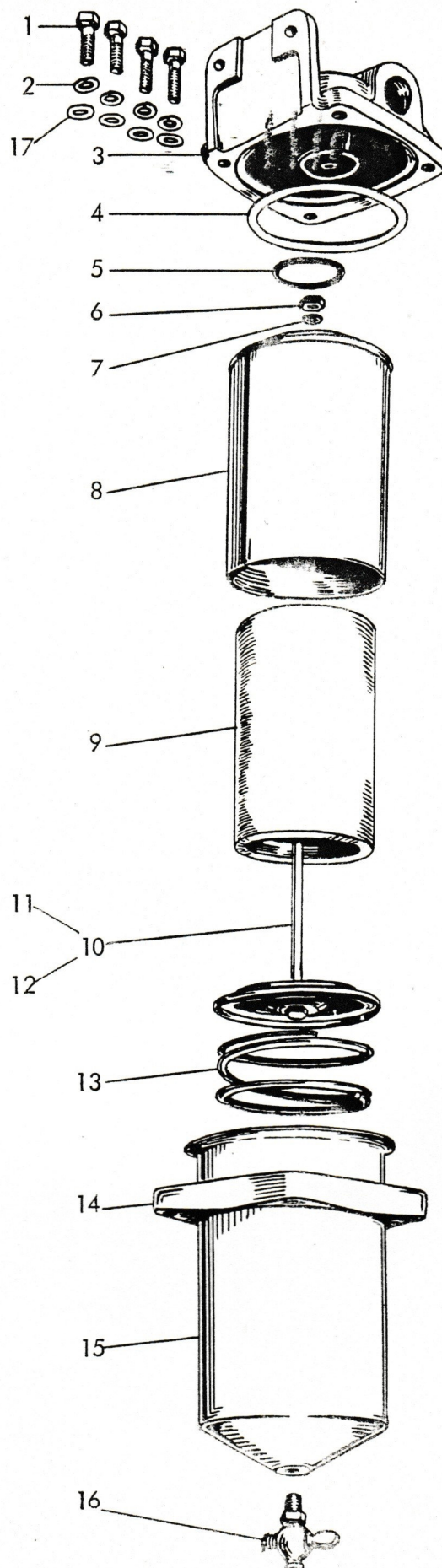


PLATE 4 - 34 - AIR COMPRESSOR DISCHARGE FILTER
BENDIX - SKINNER



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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 4-34		<u>AIR COMPRESSOR DISCHARGE FILTER</u> 4.0901	
	4-9-39	Filter Assembly - Air Compressor Discharge (Bendix Skinner)	1
1	4-9-54	Bolt - 5/16 - 18 NC - 2 x 2" Lg.	4
2	4-9-55	Lockwasher - 5/16 S.A.E. Med.	4
3	4-9-40	Head	1
4	4-9-41	Gasket - Bowl	1
5	4-9-42	Gasket - Head to Element Assembly	1
6	4-9-43	Nut - Hex. - 1/4 - 20 N.C. - 2	1
7	4-9-44	Lockwasher - 1/4 Shakeproof - Internal Teeth	1
8	4-9-45	Baffle & Top Plate Assembly	1
9	4-9-46	Element - Filter	1
10	4-9-47	Bolt & Bottom Plate Assembly	1
11	4-9-48	Bolt Only	1
12	4-9-49	Bottom Plate Only	1
13	4-9-50	Spring - Bowl	1
14	4-9-51	Flange Bowl Retaining	1
15	4-9-52	Bowl	1
16	4-9-53	Petcock - 1/4 N.P.T.	1
17	4-9-56	Washer - Plain - 11/32 I.D. x 11/16 O.D.	4
	N.P.N.	Valve - At Top of Discharge Tank - 645 A6	1
	4C-9-1	Bracket - Mounting Filter Assembly on Bulkhead	1
		<u>AIR COMPRESSOR DISCHARGE MUFFLER</u>	
	4B-9-1	Discharge Muffler Assy. - Air Compressor	1
	N.P.N.	Hex Nipple - 3325 x 4W	1
	N.P.N.	Shut-Off Cock - #252 Grinnel 1/4 P	1
	N.P.N.	Male Connector - 168 x 4 x 4W	1
	N.P.N.	Hose Clamp - 754 - 8 - 2 - 6 Adel	1
	N.P.N.	Grommet - 1/4" # 97	1
	4C-9-3	Tube - Drain, 1/4 x .035 Copper 24" long	1
	4C-9-1	Bracket - Mtg. Discharge Muffler	1
	4C-10-11	Decal - "Drain Daily"	1

PARTS MANUAL

MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
PLATE 4 - 42: ALCOHOL EVAPORATOR			

* Effective Prior to Coach Unit No. 6001

** Effective With Coach Unit No. 6001

ALCOHOL EVAPORATOR

4.1001

Plate
4-42

		Alcohol Evaporator Kit	1
	4C-10-12	Alcohol Evaporator Assembly	1
	4C-10-14	Container - Plastic, 1 Pint	1
1	4C-10-13	Tube	1
2	4C-10-15	Tube	1
3	4C-10-16	Gasket	1
4	4-10-6	Body	1
	4-10-4	Plate - Strainer	1
	4-10-5	Spacer - Strainer	1
	4C-10-17	Ring - Strainer Retaining	1
	4C-10-18	Plug - Welsh	1
5	4-10-7	Plug - Filler	1
6	N.P.N.	Male Elbow - 49 x 4W	1
7	4A-10-2	Check Valve	1
8	4A-10-4	Body	1
9	4A-10-5	Spring	1
10	4A-10-6	Valve	1
11	4A-10-7	Grommet	1
12	4A-10-3	Cap Nut	1
13	N.P.N.	Male Connector - Top of Check Valve	1
*	4C-10-1	Bracket - Evaporator Mtg.	1
**	N.P.N.	Male Connector - On Check Valve - 48 x 4W	1
*	N.P.N.	Male Elbow - On Check Valve - 49 x 4W	2
**	N.P.N.	Male Elbow - On Check Valve - 49 x 4W	1



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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>ALCOHOL EVAPORATOR (cont'd)</u> 4.1002	
		* Effective Prior To Coach Unit No. 6001	
		** Effective With Coach Unit No. 6001	
*	4C-20-129	Hose - Evaporator Outlet	1
**	4C-20-216	Hose - Evaporator Outlet	1
*	4C-20-131	Hose - Evaporator Feed	1
**	4C-20-217	Hose - Evaporator Feed	1

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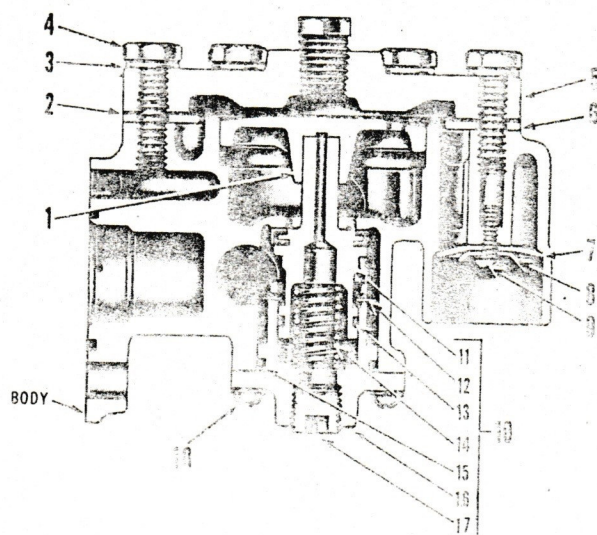


PLATE 4 - 33 - REAR BRAKE RELAY VALVE (TYPE R-5)



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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 4-33		EFFECTIVE PRIOR TO COACH UNIT NO. 5617 REAR AIR BRAKE RELAY VALVE 4.1101	
	4C-11-1	Valve Assembly - Rear Brake Relay	1
	4C-11-2	Body Only	1
	4C-11-3	Plug - 3/8" Pipe - Del. Port	2
	4C-11-4	Plug - 1/2" Pipe - Supply Port	1
	4C-11-5	Plug - 1/4" Pipe - Brake Valve Port	1
1	4C-11-6	Guide - Diaphragm	1
2	4C-11-7	Diaphragm	1
3	4C-11-8	Washer	6
4	4C-11-9	Capscrew	6
5	4C-11-10	Cover	1
6	4C-11-11	Ring - Diaphragm	1
7	4C-11-12	Diaphragm - Exhaust	1
8	4C-11-13	Washer - Diaphragm	1
9	4C-11-14	Machine Screw & Lockwasher	1
10	4C-11-15	Inlet Valve & Guide Cap Assembly	1
11	4C-11-16	Valve - Inlet	1
12	4C-11-17	Ring - Retaining	1
13	4C-11-18	Grommet - .809 O.D.	1
14	4C-11-19	Spring	1
15	4C-11-20	Grommet - 1.215 O.D.	1
16	4C-11-21	Cap - Valve Guide	1
17	4C-11-22	Plug - 1/4" Pipe	1
18	4C-11-14	Machine Screw & Lockwasher	4

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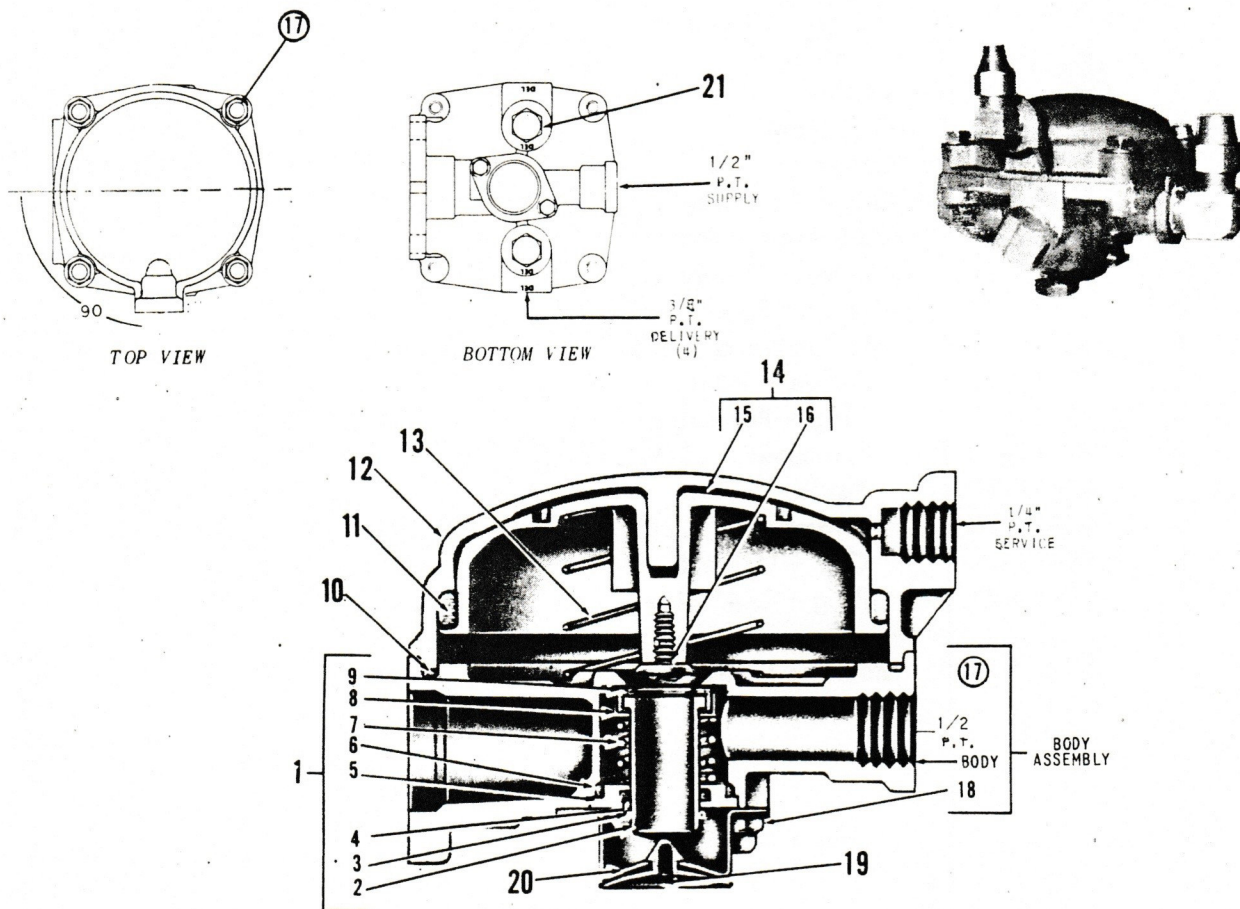


PLATE 4 - 40: R - 6 RELAY VALVE



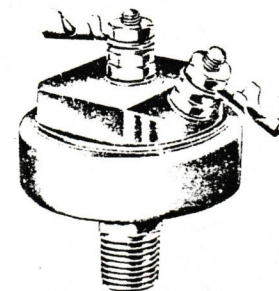
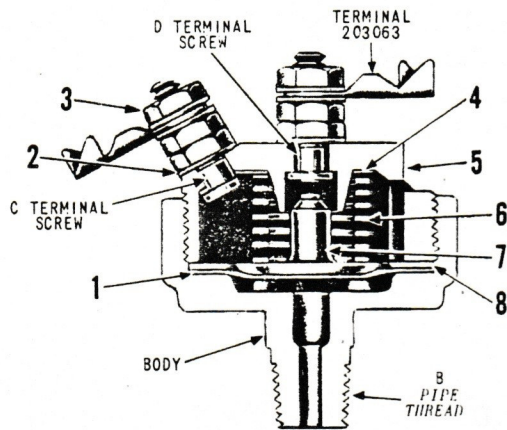
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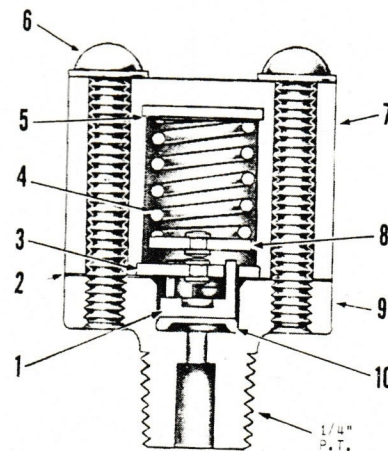
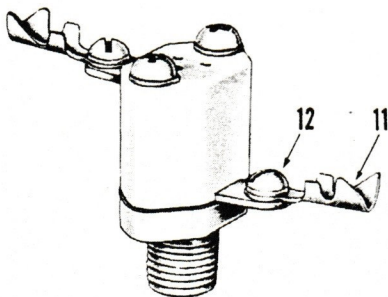
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MODEL MC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 4-40		EFFECTIVE COACH UNIT NO. 5617 REAR BRAKE RELAY VALVE 4.1102	
	4C-11-25	Rear Brake Relay Valve Assy.	1
	4C-11-26	Body Assembly	1
	4C-11-27	Body Only	1
17	4C-11-44	Screw - 5/16 - 18 Hex. Hd. Thd. Rolling	4
18	4C-11-45	Screw - #10 - 24 Hex. Hd. Thd. Rolling	2
1	4C-11-28	Inlet & Exhaust Valve Assembly	1
2	4C-11-29	Body - inlet & Exhaust Valve	1
3	4C-11-30	Ring - Retaining	1
4	4C-11-31	"O" Ring - 13/16 O.D.	1
5	4C-11-32	Guide - Valve	1
6	4C-11-33	"O" Ring - 1 1/4" O.D.	1
7	4C-11-34	Spring - Valve	1
8	4C-11-35	Retainer - Valve	1
9	4C-11-36	Valve - inlet & Exhaust	1
10	4C-11-37	"O" Ring - Cover - 4 3/8" O.D.	1
11	4C-11-38	"O" Ring - Relay Piston - 4 1/8" O.D.	1
12	4C-11-39	Cover	1
13	4C-11-40	Spring - Piston Return	1
14	4C-11-41	Relay Piston Assembly	1
15	4C-11-42	Piston - Relay	1
16	4C-11-43	Seat - Exhaust Valve	1
19	4C-11-46	Check - Exhaust	1
20	4C-11-47	Cover - Exhaust	1
21	4C-11-48	Plate	2



STOP LIGHT SWITCH





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KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 4-4		<u>AIR BRAKE QUICK RELEASE VALVE</u> 4.1201	
	4C-12-1	Quick Release Valve	1
	4C-12-2	Body	1
	4C-12-3	Cover	1
1	4C-12-4	Diaphragm	1
2	4C-12-5	Grommet	1
		<u>STOP LIGHT SWITCH</u> 4.1301	
	4C-13-1	Stop Light Switch (Brake Lights & Ejector Valve)	2
	4C-13-2	Body	2
1	4C-13-3	Diaphragm	2
2	4C-13-4	Washer	12
3	4C-13-5	Nut	12
4	4C-13-6	Terminal Connector	2
5	4C-13-7	Cover	2
6	4C-13-8	Spring	2
7	4C-13-9	Plunger	2
8	4C-13-10	Washer	2
9	4C-13-11	Terminal Screw	2
10	4C-13-12	Terminal Screw	2
11	4C-13-13	Terminal Cable	4
		<u>LOW AIR PRESSURE SWITCH</u> 4.1401	
	4C-14-1	Low Pressure Indicator, Fast Idle & Emergency Brake	3
1	4C-14-2	Piston	3
2	4C-14-3	Gasket	3
3	4C-14-4	Contact Plate	3
4	4C-14-5	Spring	3
5	4C-14-6	Shim - .010"	As Req'd
5	4C-14-7	Shim - .004"	As Req'd
6	4C-14-8	Machine Screw & Lockwasher - Attach. Body to Cover	6
7	4C-14-9	Cover	3
8	4C-14-10	Contact Disc.	3
9	4C-14-11	Body	3
10	4C-14-12	"O" Ring Diaphragm	3
11	4C-14-13	Terminal - Cable Attaching	6
12	4C-14-14	Machine Screw - Attach. Terminal	6
		NOTE: * - Use if necessary to obtain cutout pressure req'd	
		NOTE: * (For Air Filters and Check Valves See Group 12.07	
		(For Other Valves See Group 4.22)	

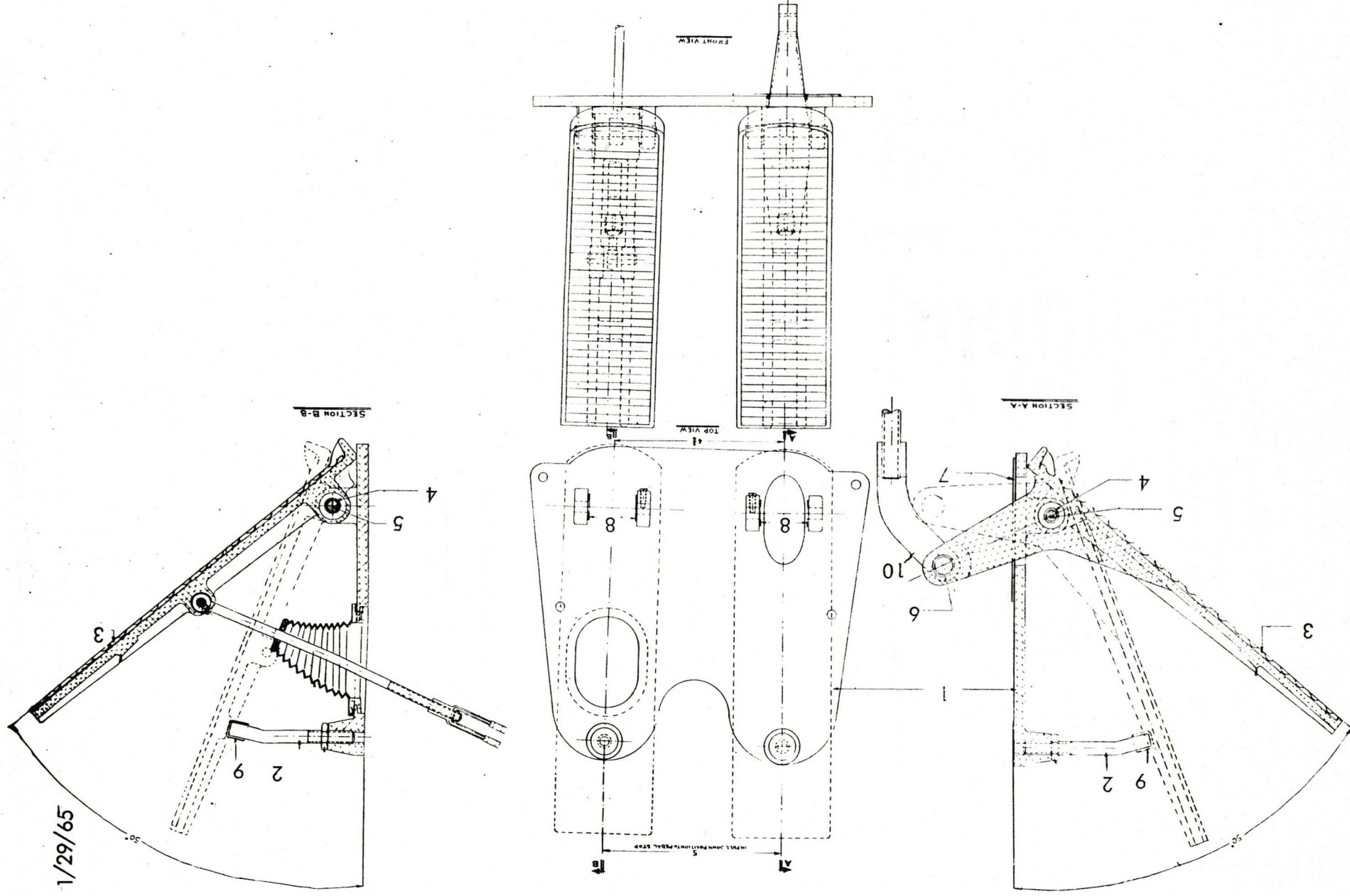


PLATE 4 - 37: ACCELERATOR AND BRAKE PEDAL ASSEMBLY



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KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>BRAKE PEDAL, BASE & LINKAGE</u> 4.1501	
	4C-15-13	Accelerator and Brake Pedal - C/W Base	1
1	4C-15-1	Base Only	1
2	4C-15-2	Stop - Accelerator & Brake Pedal	2
	4C-15-3	Brake Pedal and Bushing Assembly - C/W Tread	1
3	4C-15-5	Rubber Tread - Inset (Also Used on Accelerator Pedal)	2
4	4C-15-6	Bushing - Nylined - Brake Pedal Pivot	2
5	4A-15-79	Pin - Pivot - Accelerator & Brake Pedals	2
	4A-15-80	Pin - Holds Push Rod to Brake Pedal	1
	4C-15-7	Pivot Lever - Brake Pedal Mounting	1
6	4C-15-8	Bushing - Pivot Rod to Brake Valve	1
7	4C-15-9	Floor Seal - Brake Pedal - 1/16 Round Neoprene	1
8	4C-15-11	Spacer Washer - Between Base & Accelerator Pedal Pivot - Also Brake Pedal Pivot Lug	4
9	4C-15-12	Cap - For 4C-15-2 Stop	2
10	4A-15-34	Push Rod S/A - Brake Pedal to Brake Valve	1
	4C-15-15	Rod - Only - Brake Pedal to Brake Valve	1
	4A-15-32	Pin - Brake Valve to Yoke & Brake Pedal to Yoke	2

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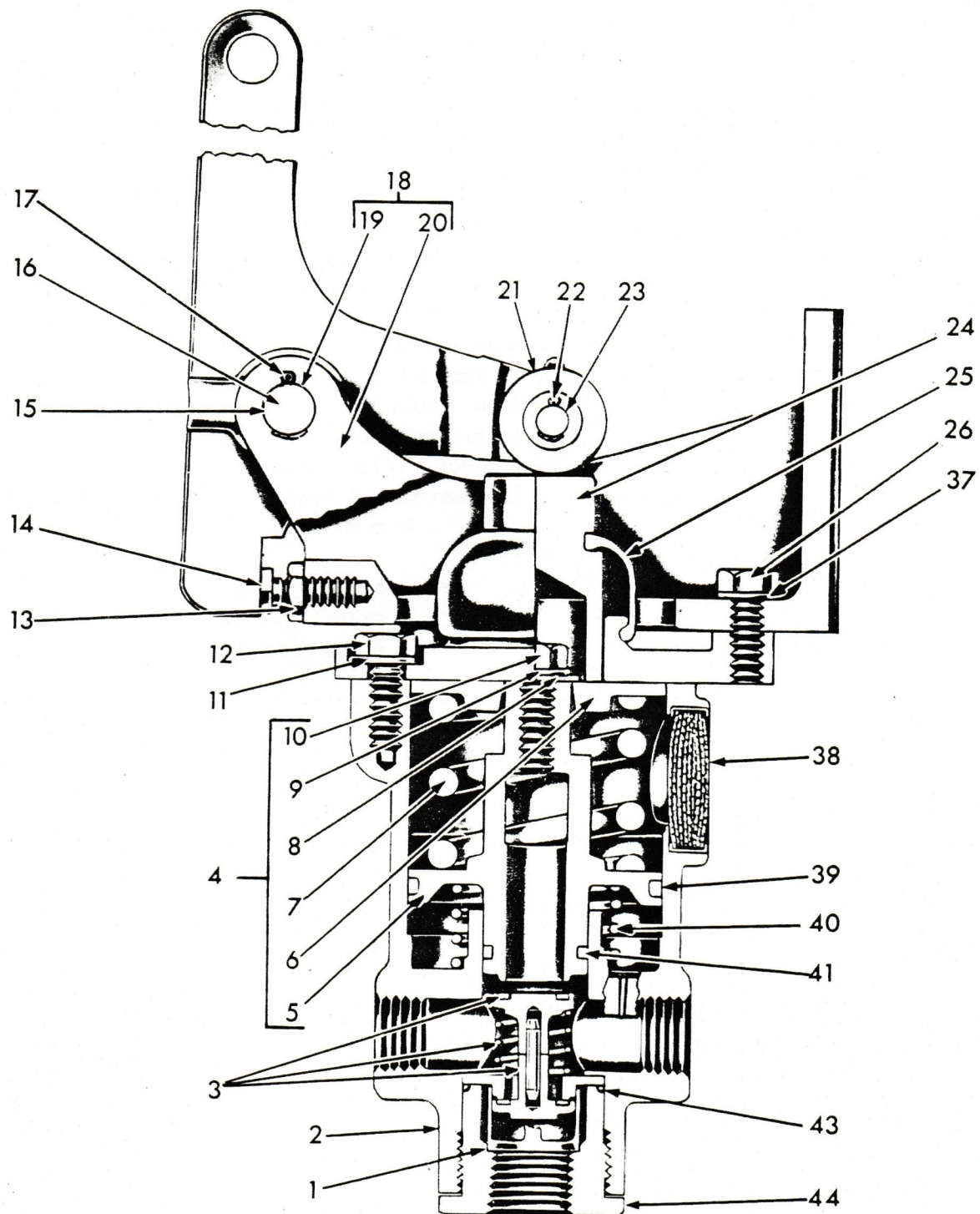


PLATE 4 - 22 BRAKE VALVE (E-1)

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KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 4 - 22		<u>BRAKE VALVE (E - 1)</u> 4.1502	
	4A-15-115	E-1 Brake Valve Assembly Complete	1
1	4A-15-116	Inlet Valve Guide	1
2	4A-15-117	Body	1
3	4A-15-118	Inlet and Exhaust Valve Assembly	1
4	4A-15-120	Piston and Spring Assembly	1
5	4A-15-121	Piston	1
6	4A-15-122	Graduating Spring Seat	1
7	4A-15-123	Graduating Spring	1
8	4A-15-124	Washer	1
9	4A-15-125	Shakeproof Lockwasher	1
10	4A-15-126	Capscrew	1
11	4A-15-128	Lockwasher	3
12	4A-15-63	Capscrew	3
13	4A-15-31	Locknut	1
14	4A-15-30	Adjusting Screw	1
	4A-15-133	Lever Assembly	1
	4A-15-134	Lever - Body	1
15	4A-15-70	Bushing	2
16	4A-15-27	Pin	1
17	4A-15-28	Cotter Pin	1
18	4A-15-16	Mounting Bracket Assembly	1
19	4A-15-18	Bushing	2
20	4A-15-17	Mounting Bracket - Body	1
21	4A-15-24	Roller	1
22	4A-15-26	Cotter Pin	1
23	4A-15-25	Pin	1
24	4A-15-136	Plunger	1
25	4A-15-67	Boot	1
26	4A-15-66	Capscrew	3
37	4A-15-137	Lockwasher	3
38	4A-15-138	Filter Screen	1
39	4A-15-139	Grommet - 2.38" O.D.	1
40	4A-15-140	Spring - Piston Return	1
41	4A-15-141	Grommet - 1" O.D.	1
43	4A-15-142	Grommet - 1.375" O.D.	1
44	4A-15-143	Inlet Nut	1
	4A-15-144	Tapping Screw	2
	4A-15-62	Adapter Plate	1
	4A-15-113	Lubricant - Used in Reassembly (As Required)	
	N.P.N.	Plug 3152 x 4 Weatherhead	
	N.P.N.	Plug 3228 x 4 Weatherhead	

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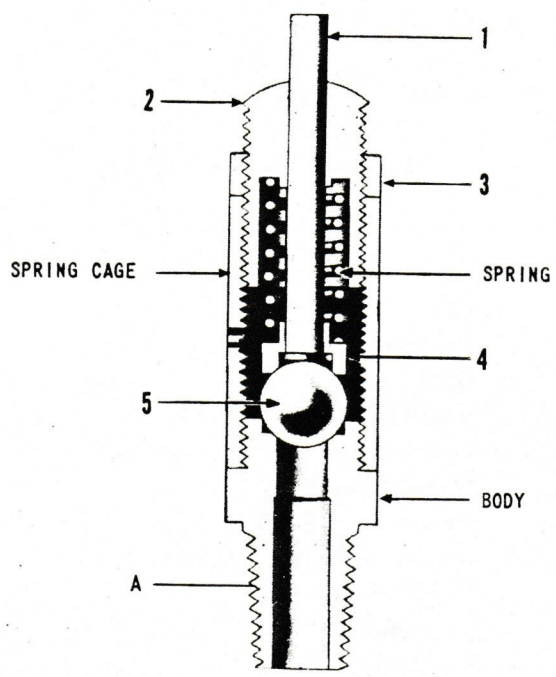
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SECTION:

4 - BRAKES AND AIR SYSTEM

GROUP:

4.17

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 4-13		<u>SAFETY VALVE</u> 4.1701	
	4-17-1	Safety Valve	1
	4-17-2	Body	1
	4-17-3	Cage - Spring	1
4	4-17-4	Seat - Spring	1
2	4-17-5	Nut - Adjusting	1
1	4-17-6	Pin - Release	1
5	4-17-7	Ball - Steel	1
	4-17-8	Spring	1
3	4-17-9	Nut - Lock	1
 PLATE 4 - 13 - SAFETY VALVE			

PARTS MANUAL

KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>AIR RESERVOIRS</u> 4.1901	
	4A-19-13	Tank Assembly - Airide - Front C/W Fittings	1
	4A-19-1	Tank Only - Less Fittings	1
	N.P.N.	Fitting - Male Branch Tee - Compression - 172 x 4-1/4 x 1/8P	1
	N.P.N.	Fitting - Bushing - 3224 x 2 - 1/8 x 1/4P	1
	N.P.N.	Fitting - 90° Male Compression Elbow - 169 x 6 - 3/8 x 1/4P	1
	N.P.N.	Fitting - Reducer Bushing - 3226 x 4 - 3/8 x 1/4P	1
	N.P.N.	Fitting - 3/4 Sq. Hd. Galv. Pipe Plug	1
	4A-19-6	Drain Cock	1
	4A-19-14	Tank Assembly - Dry Air Tank - C/W Fittings - Front	1
	4A-19-1	Tank Only - Less Fittings	1
	N.P.N.	Fitting - 3/4 P. Galv. Close Nipple	2
	N.P.N.	Fitting - 3/4 P. Galv. 90° Street Elbow	1
	N.P.N.	Fitting - 3/4 P. Galv. T.	1
	N.P.N.	Fitting - 90° Male Comp. Elbow - 169 x 12A - 3/4 T x 3/8 P	1
	N.P.N.	Fitting - Male Connector - 168 x 12A	1
	N.P.N.	Fitting - 90° Male Elbow - 169 x 10	1
	N.P.N.	Fitting - Male Connector - 168 x 6	3
	N.P.N.	Fitting - Street Tee - 3750 x 4	1
	N.P.N.	Fitting - Hex. Nipple - 3325 x 4	1
	N.P.N.	Fitting - Street Elbow - 3400 x 4	1
	N.P.N.	Fitting - Tee - 3700 x 4	1
	4A-19-6	Drain Cock	1
		NOTE: For Check Valve See Group 4.22 Page 4-32 For Air Filter See Group 12.07	
	4-19-53	Tank Assembly - Rear Air Reservoir - C/W Fittings	1
	4-19-39	Tank Only - Less Fittings	1
	N.P.N.	Fitting - 90° Male Comp. Elbow - 169 x 12A-3/4 T. x 3/8 P.	2
	N.P.N.	Fitting - Street Elbow - 3400 x 4	1
	N.P.N.	Fitting - Reducer Bushing - 3226 x 4	1
		NOTE: For Safety Valve See Group 4.17 Page 4 - 27	
	4B-19-28	Tank Assembly - Emergency Air Tank - Parking Brake C/W Fittings	1
	4B-19-1	Tank Only - Less Fittings	1
	N.P.N.	Fitting - Hex. Head Plug - 3152 x 4	1
	4B-19-2	Band S/A - Emergency Tank Retaining	2
	4A-19-3	Band S/A - Retaining Vertical Air Tanks	4
	4B-19-21	Band S/A - Retaining Rear Air Tank	2

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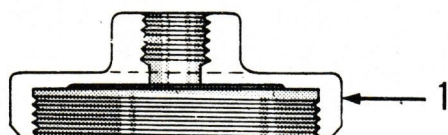
SECTION:

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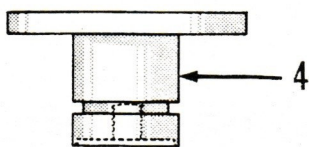
KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 4-24		<u>AUTOMATIC AIR TANK DRAIN</u> 4.1902	
	4B-19-4	Ejector Valve Assembly - Consists of:	1
1	4B-19-6	Cylinder End Cap	1
2	4B-19-7	Cup Washer	1
3	4B-19-8	Valve Body	1
4	4B-19-9	Piston	1
5	4B-19-10	O Ring Seal	1
6	4B-19-11	Piston Seat - Teflon	2
7	4B-19-12	Piston Stem	1
8	4B-19-13	Actuating Piston Complete - Includes Keys 4,5,6 & 7	1
9	4B-19-14	Valve Spring	1
10	4B-19-15	Spring Cap	1
11	4B-19-16	Seat Washer	1
12	4B-19-17	Valve Stem	1
13	4B-19-18	Lock Nut	1
14	4B-19-19	Intake Valve Complete - Includes Keys 6,11,12, & 13.	1
	4B-19-26	Mounting Bracket - Ejector Valve Assembly	1



CYLINDER CAP



CUP WASHER



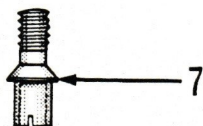
ACTUATING PISTON



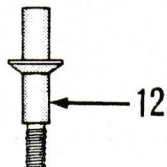
"O" RING SEAL



TEFLON SEAT



VALVE STEM



VALVE STEM



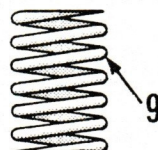
TEFLON SEAT



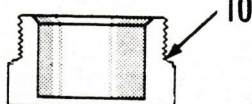
SEAT WASHER



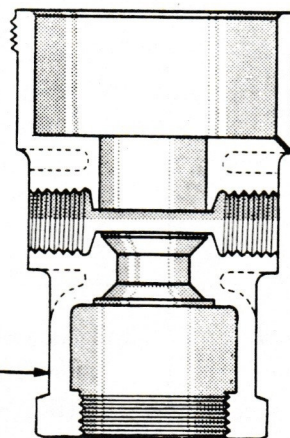
LOCK NUT



VALVE SPRING



SPRING CAP



VALVE BODY

PLATE 4 - 24 - AUTOMATIC AIR TANK DRAIN

PARTS MANUAL

MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 4-39		<u>AUTOMATIC AIR TANK DRAIN</u> 4.1903	
	4C-19-11	Valve - Moisture Ejector	1
	4C-19-12	Heat Element - 24 V	1
2	4C-19-13	Wire Assembly - External	1
3	4C-19-14	Bushing - Screw	1
1	4C-19-15	Screen	1
4	4C-19-16	Cover Only - 1/4 P.T.	1
7	4C-19-18	Gasket - Lower	1
6	4C-19-19	Insulator	1
8	4C-19-20	Body - Upper	1
10	4C-19-21	Body - Lower	1
9	4C-19-22	Valve Stem Assembly	1
5	4C-19-17	Gasket - Upper	1
15	4C-19-23	Screw - For External Wire - #8-32 x 3/4	1
14	4C-19-24	Screw - For Element Grd. - #6 - 32 x 3/8	1
11	4C-19-25	Screw - Securing Valve Components - #10-24 x 2	4
13	4C-19-26	Nut - #10-24	4
12	4C-19-27	Lockwasher - #10	4

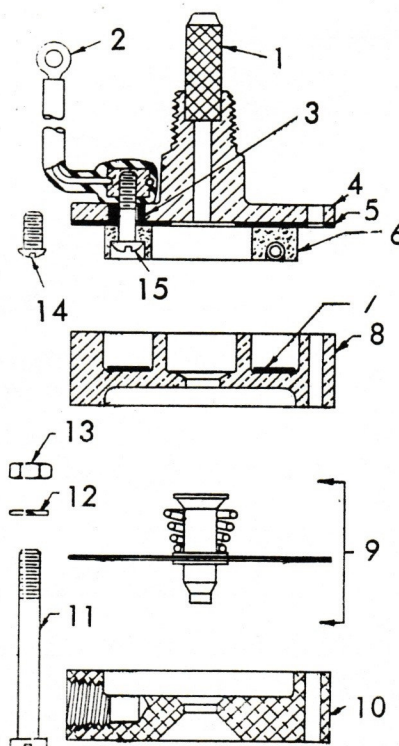


PLATE 4 - 39: MOISTURE EJECTOR VALVE



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MODEL MC-5A AND MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>EMERGENCY BRAKE SUPPLY LINE</u> 4.2001	
	4C-20-169	Tube - Emergency Brake Tank to Emergency Control Valve - 3/8 O.D. x 58 3/4"	1
	4C-20-178	Tube S/A - C/W Fittings - From Emergency Supply Line to Emergency Brake Air Tank 3/8 O.D. x 10"	1
	4C-20-117	Tube - From Rear of Junction Block to Anchor Elbow on Bulkhead - Front of Rear Wheel Housing - 3/8 O.D. x 13 3/4"	1
		<u>AIR RIDE SUPPLY LINE</u>	
	4C-20-143	Tube - Male Elbow in Tire Compartment to Tee Fitting Above Front Bogie - 3/8 O.D. x 61 3/4"	1
	4C-20-179	Tube S/A - From Air Ride Supply Line Above Front Bogie to Emergency Air Tank - Rear of Front Bogie 3/8 O.D. x 11"	1
	4B-20-37	Tube S/A - L.H. - From Tee Fitting Rear of Junction Block to Air Ride Valve - Rear Bogie 1/4 O.D. x 34"	1
	4B-20-39	Tube S/A - R.H. - From Tee Fitting Rear of Junction Block to Air Ride Valve - Rear Bogie 1/4 O.D. x 24 1/2"	1
		<u>EMERGENCY CONTROL LINES</u>	
	4B-20-43	Tube - From Line Junction in Tire Compartment to Joint Over Front Bogie - 3/8 O.D. x 17 3/4"	1
	4C-20-115	Tube - From Rear of Junction Block to Anchor Elbow on Bulkhead at Front of Rear Wheel Housing - 3/8 O.D. x 13 1/4"	1
		<u>DRY AIR TANK - FRONT BOGIE TO REAR WET TANK REAR BOGIE</u>	
	4C-20-193	Tube - From Check Valve on Dry Tank to Joint Above Front Bogie - 3/4 O.D. x 17 3/8"	1
	4C-20-74	Tube - From Joint Above Rear Bogie To Elbow on Rear Wet Tank L.H. End - 3/4 O.D. x 32 1/2"	1
		<u>BRAKE LINE FROM DRY AIR TANK TO REAR BRAKE RELAY VALVE</u>	
	4C-20-81	Tube - From Male Elbow on Dry Air Tank to Joint Above Front Bogie - 5/8 O.D. x 26 "	1
	4C-20-116	Tube - From Rear of Junction Block to Rear Relay Valve - 5/8 O.D. x 17 1/2"	1

Challenger**PARTS MANUAL**

KEY	PART NUMBER	DESCRIPTION	QTY.
		GOVERNOR LINE FROM DRY AIR TANK TO REAR OF REAR BOGIE	
		4.2002	
	4C-20-148	Tube - From Male Run Tee on Top of Dry Air Tank to Line Above Bogie - 3/8 O.D. x 21 1/4"	1
		<u>RELAY VALVE LINE</u>	
	4C-20-145	Tube - From Front Brake Valve in Tire Compartment to Joint Over Front Bogie - 3/8 O.D. x 35 3/4"	1
	4C-20-118	Tube - From Rear of Junction Block to Relay Valve on Bulkhead - Front of Rear Wheel Housing - 3/8 O.D. x 16 1/4"	1
		<u>TAKE OFF LINE FOR AIR CYLINDER</u>	
	4C-20-88	Tube - From Governor Line Tee Fitting to Anchor Elbow R.H. Bulkhead Rear of Rear Bogie - 3/8 O.D. x 29"	1
		<u>LINE FROM PING TANK TO WET TANK</u>	
	4C-20-170	Tube - From Ping Tank Rear of Rear Bogie R.H. To Joint Above Rear Bogie at Rear - 3/4 O.D. x 20 3/4"	1
	4C-20-122	Tube - From Joint Above Rear Bogie to Elbow - 3/4 O.D. x 9"	1
	4C-20-125	Tube - From Elbow to Joint at Front of Rear Bogie - 3/4 O.D. x 42 1/2"	1
	4C-20-82	Tube - From Joint Above Front of Rear Bogie To Male Elbow on End of Wet Tank R.H. 3/4 O.D. x 27 1/4"	1
		<u>AIR SUPPLY LINES TO FRONT BRAKES</u>	
	4C-20-85	Tube - From Elbow on Dry Air Tank to Joint Over Front Bogie - 3/4 O.D. x 22 1/2"	1
	4C-20-188	Tube - From Joint Over Front Bogie to Service Brake Valve - 3/4 O.D. x 51"	1
	4C-20-71	Tube - Front Air Bunk L.H. to Brake Release Valve in Tire Compartment - 3/8 O.D. x 51"	1
	4C-20-86	Tube - Front Air Bunk R.H. To Brake Release Valve in Tire Compartment 3/8 O.D. x 62 1/2"	1
	4B-20-24	Hose S/A - L.H. & R.H. Front Brake Chambers - 23 1/2" Lg. (Used also as Inversion Valve Feed Line)	3



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MODEL MC - 5A AND MCC - 5A

KEY	PART NUMBER	DESCRIPTION	QTY.
*		Effective Prior to Coach Unit #5493	
**		Effective With Coach Unit #5493	
		<u>BLOWER COMPARTMENT AIR SUPPLY LINE</u>	
		4.2003	
*	4B-20-45	Tube - Main Supply in Engine Compartment to Elbow on Lazyback - 1/4 O.D. x 85"	1
**	4C-20-203	Tube - Blower Compartment Air Supply Line From Lower Union to Upper Union on Lazyback - 1/4 O.D. x 46 1/2"	1
		<u>REAR AIR LINES</u>	
	4C-20-40	Tube S/A - Rear Levelling Valve L.H. Outlet - From L.H. Rear Levelling Valve to Male Elbow on Rear Air Bunk L.H. 1/4" x 19 3/4"	1
	4C-20-41	Tube S/A - Rear Levelling Valve R.H. Outlet - Rear R.H. Levelling Valve to Male Elbow on Rear Air Bunk R.H. 1/4 x 19 3/4"	1
		<u>ENGINE AIR LINES</u>	
	4C-20-13	Hose S/A - Engine Stop Skinner Valve Feed - 8 1/4"	1
	4C-20-127	Hose S/A - Fast Idle Skinner Valve Feed - 61 1/2"	1
	4C-20-9	Hose S/A - Transmission Drop Elbow Air Feed - 24 3/4"	1
	4C-20-10	Hose S/A - Clutch Air Assist Cylinder Feed - 9 1/2"	1
	4C-20-14	Hose S/A - Fast Idle Cylinder Feed - 9 3/4"	1
	4C-20-12	Hose S/A - Throttle Overrule Cylinder Feed - 13 1/4"	1
	4C-20-172	Hose S/A - Air Compressor Governor Feed - 8"	1
	4C-20-191	Hose S/A - Air Compressor Main Air Discharge - 22"	1
		<u>FRONT BOGIE AIR LINES</u>	
	4A-20-96	Tube S/A - Front Levelling Valve Feed - Between Dry Air Tank and Levelling Valve 1/4 x 38"	1
	4C-20-158	Tube S/A - Front Levelling Valve to Union Tee - 1/4 x 8"	1
	4C-20-160	Tube S/A - Air Ride Front L.H. - From Union Tee to Male Connector in L.H. Air Bunk Filter - 1/4" x 14"	1
	4C-20-162	Tube S/A - Air Ride Front R.H. - 1/4 x 11"	1
	4C-20-84	Tube - Air Filter Feed Line - 3/8 x 22 3/4	1
	4C-20-147	Tube - Pressure Protection Valve Feed - 3/8 x 13"	1
		<u>AIR LINES IN TIRE COMPARTMENT</u>	
	4C-20-39	Tube - Park Brake Actuator Valve - 1/4 x 30 3/4"	3

PARTS MANUAL

MODEL MC-5A AND MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
*		Effective Prior to Coach Unit #5467	
**		Effective With Coach Unit #5467	
		<u>AIR LINES IN TIRE COMPARTMENT (Cont'd)</u> 4.2004	
	4C-20-171	Tube - Stop Light Switch Feed - 1/2 x 17"	1
	4C-20-153	Hose - Windshield Wiper Feed - 3/8 Plastic x 46 1/4	1
	4C-20-140	Tube - Air Gauge Feed - 1/4 x 55	1
	4C-20-137	Hose S/A - Air Gauge Feed - 14 3/4"	1
	4C-20-149	Tube - Door Locker Skinner Valve Feed - 1/4 x 12 1/4	1
	4C-20-22	Hose S/A - Door Locker Cylinder Feed - 27"	1
	4C-20-139	Tube - Air Ride Tank Feed - Between Male Connector and Male Elbow in Air Ride Tank 3/8 x 50 1/2	1
	4C-20-189	Tube - Air Horn Valve Feed - Poly Flow From Half Union On Air Ride Tank to Half Union On Air Horn Valve - 44-P- 1/4 x 22	1
	4C-20-190	Tube - Air Horn Feed - 44P 1/3 x 60 Poly Flow	1
	4C-20-152	Tube - From Quick Release Feed - Between Elbow on Brake Valve and Elbow in Quick Release Valve - 1/2 x 20 3/4"	1
	4C-20-197	Tube - Park Brake Tank Auxiliary Fill - 1/4 O.D. x 53"	1
	4C-20-196	Angle - Mounting Drop Elbow in Tire Compartment	1
		<u>BRAKE LINES - REAR AXLE</u>	
	4B-20-19✓	Hose S/A - R.H. Brake Chamber Lock Port - 29 1/4"	1
	4B-20-20✓	Hose S/A - R.H. Park Brake Chamber - 25 1/2"	1
	4B-20-22✓	Hose S/A - L.H. Park Brake Chamber - 16 1/4"	1
	4B-20-21	Hose S/A - L.H. Brake Chamber Lock Port - 18 1/4"	1
	4B-20-17✓	Hose S/A - R.H. & L.H. Service Brake Chamber - 3/8" x 32"	2
	4B-20-23✓	Hose S/A - Inversion Valve Feed - 3/8 x 27"	1
	+ 4B-20-24	Hose S/A - Inversion Valve Control - 23 1/2" Lg. - (Used also as Front Brake Chamber Feed Line)	3
		<u>AIR LINES IN BLOWER COMPARTMENT</u>	
	4C-20-52	Tube - Shutter Filter Feed - 1/4 x 26	1
	4C-20-55	Tube - Shutterstat Feed - 1/4 x 18 1/4	1
*	4C-20-54	Tube S/A - R.H. Damper and Shutter Feed - 1/4 O.D. x 40 1/2"	1
**	4C-20-201	Hose S/A - R.H. Damper & Shutter Feed - 1/4 O.D. x 38 5/8"	1
	4C-20-5	Hose S/A - R.H. and L.H. Shutter Cylinder Feed - 16 1/4"	2
	4C-20-3	Hose S/A - R.H. & L.H. Damper Cylinder Feed - 34"	2
	4C-20-156	Tube S/A - L.H. Damper & Shutter Feed - 1/4 O.D. x 49 7/8"	1
		<u>OPTIONAL AIR LINES</u>	
	4C-20-33	Tube - Moisture Ejector Valve Supply - 3/8 O.D. x 15"	1
	4C-20-186	Tube S/A - Moisture Ejector Solenoid Valve Feed - 1/4 O.D. x 29"	1
	4C-20-185	Tube - Moisture Ejector Solenoid Valve Outlet - 1/4 O.D. x 31"	1



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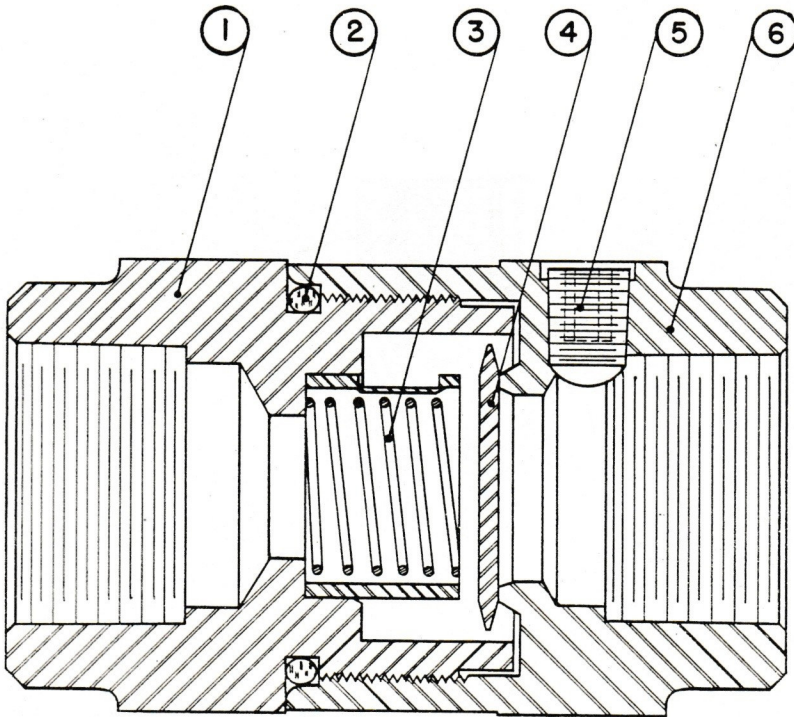
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MODEL MC-5A AND MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>OPTIONAL AIR LINES (Continued)</u> 4.2005	
	4C-20-120	Tube - Moisture Ejector Valve to Fitting at Rear of Rear Bogie - 1/4 O.D x 80"	1
	4C-20-109	Fitting - At Rear Bogie	1
	4B-20-46	Tube - Lavatory Control Valve - 1/4 O.D. x 58"	3
		<u>MISCELLANEOUS TUBE AND FITTINGS</u>	
	4C-20-166	Tube - Between Emergency Tank and Dry Air Tank - 3/8 O.D. x 9 1/8"	1
	4C-20-2	Junction Block - Front of Rear Bogie	1

PARTS MANUAL

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 4-35		<u>MISCELLANEOUS VALVES</u> 4.2201	
		<u>CHECK VALVE - MAIN AIR SUPPLY</u>	
	4C-22-1	Check Valve Assembly - Main Air Supply	1
3	4C-22-2	Spring	1
	4C-22-3	Label	1
1	4C-22-4	Body End - Male & Female Thread	1
2	4A-22-33	O Ring Seal - Grommet	1
4	4C-22-5	Discharge Valve	1
5	4C-22-6	Pipe Plug - 1/16 Socket Head	1
6	4C-22-7	Cap Nut	1
			
<u>PLATE 4 - 35 - CHECK VALVE - MAIN AIR SUPPLY</u>			



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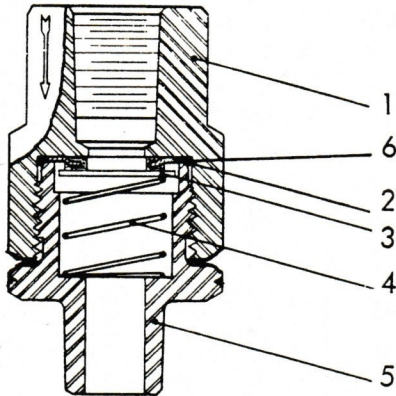
SECTION:

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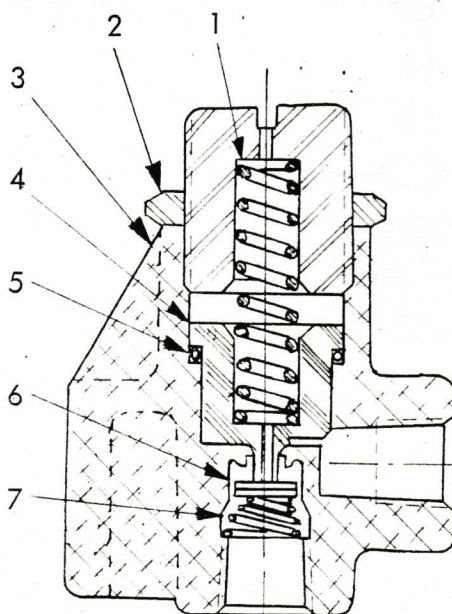
MODEL MC - 5A & MCC - 5A

KEY	PART NUMBER	DESCRIPTION	QTY.
<u>Plate</u> <u>4-36</u>		CHECK VALVE 4.2202 (DRY RESERVOIR TO PARKING BRAKE RESERVOIR) (PARKING BRAKE RESERVOIR AUXILIARY FILL) (DRY AIR RESERVOIR AND ACCESSORY AIR RESERVOIR)	
	4C-22-17	Check Valve Assembly	3
5	4C-22-10	Body	3
1	4C-22-11	Cover	3
2	4C-22-12	Seal	3
3	4C-22-13	Retainer - Spring (Valve)	3
4	4C-22-18	Spring	3
	4C-22-15	Label	3
6	4C-20-21	"O" Ring	3
			
PLATE 4 - 36 - AIR LINE CHECK VALVE			

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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 3-30		<u>PRESSURE REGULATING VALVE</u>	
1	3C-34-37	Pressure Regulating Valve - Parking Brake	1
2	3C-34-38	Spring	1
3	3C-34-39	Jam Nut	1
4	3C-34-40	Body	1
5	3C-34-41	Piston	1
6	3C-34-42	"O" Ring	1
7	3C-34-43	Seal Assy.	1
	3C-34-44	Spring	1
	N.P.N.	Male Elbow - Mtg. Tube To Valve - 169 X 6W	1
	N.P.N.	Cap Screw - 1/4 - 20 X 3/4 Hex. Hd. Mtg. Valve	2
	N.P.N.	Nut - 1/4 - 20 Hex.	2
	N.P.N.	Lockwasher - 1/4"	2

PLATE 3 - 30: PRESSURE REGULATING VALVE

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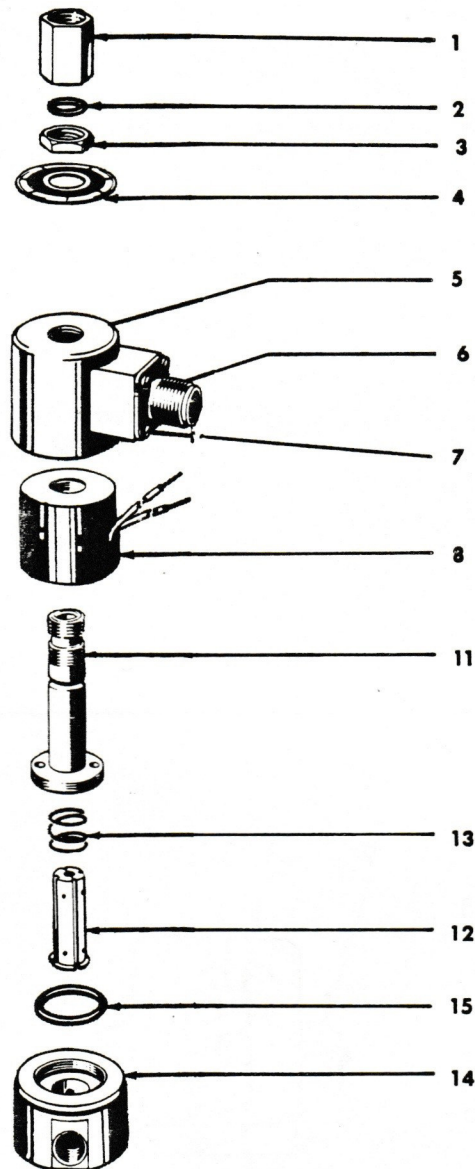


PLATE 8 - 20 - AIR VALVE

Challenger**PARTS MANUAL****MODEL MC-5A & MCC-5A**

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 8-20		<u>ENGINE STOP SOLENOID VALVE</u>	
	16B-10-12	Solenoid Valve - Engine Stop	1
1	16A-10-91	Adapter	1
2	16A-10-92	Seal - Adapter to Nut	1
3	16A-10-93	Nut	1
4	16A-10-94	Name Plate (Specify 24 Volt)	1
5	16A-10-95	Housing	1
6	16A-10-96	Connector	1
7	16A-10-97	Screw - Connector to Housing	1
	16A-10-98	Lockwire	1
8	16B-10-8	Coil (Specify 24 Volt)	1
	16A-10-100	Washer - Coil (Fish Paper)	1
	16A-10-101	Wrapper - Coil (Fish Paper)	1
11	16A-10-140	Sleeve Assembly	1
12	16A-10-141	Plunger Assembly	1
13	16A-10-142	Spring - Plunger to Sleeve	1
14	16A-10-143	Body and Seat Assembly	1
15	16A-10-106	Seal - Body to Sleeve	1
	16A-10-144	Connector	1
	16A-10-108	Clamp	1
		<u>FAST IDLE SOLENOID VALVE</u>	
	16B-10-7	Solenoid Valve - Fast Idle	1
1	16A-10-91	Adapter	1
2	16A-10-92	Seal - Adapter to Nut	1
3	16A-10-93	Nut	1
4	16B-10-9	Name Plate - (Specify 24 Volt)	1
5	16A-10-95	Housing	1
6	16A-10-96	Connector	1
7	16A-10-97	Screws - Connector to Housing - #4 - 40 x 3/16 Fil. Hd.	4
	16A-10-98	Lockwire - .020 x 7"	1
8	16B-10-8	Coil - (Specify 24 Volt)	1
	16A-10-100	Washer - Coil - (Fish Paper)	2
	16A-10-101	Wrapper - Coil - (Fish Paper)	1
11	16A-10-102	Sleeve Assembly	1
12	16A-10-103	Plunger Assembly	1
13	16A-10-104	Spring - Plunger to Sleeve	1
14	16A-10-105	Body & Seat Assembly	1
15	16A-10-106	Seal - Body to Sleeve	1
	16A-10-107	Connector	1
	16A-10-108	Clamp	1

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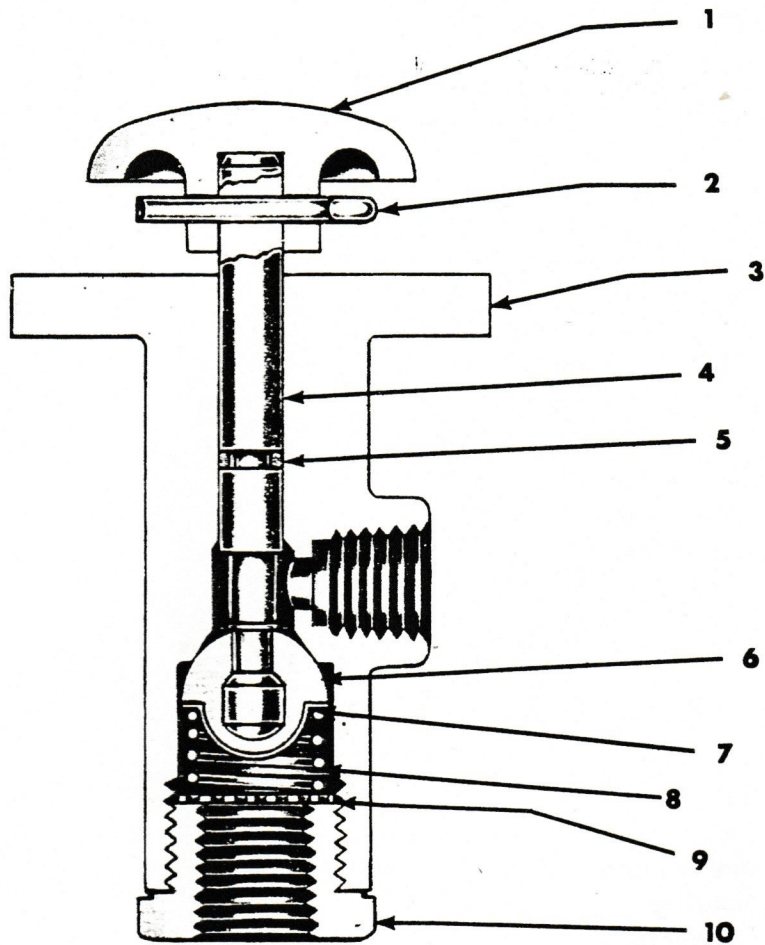


PLATE 4 - 14 - AIR HORN VALVE



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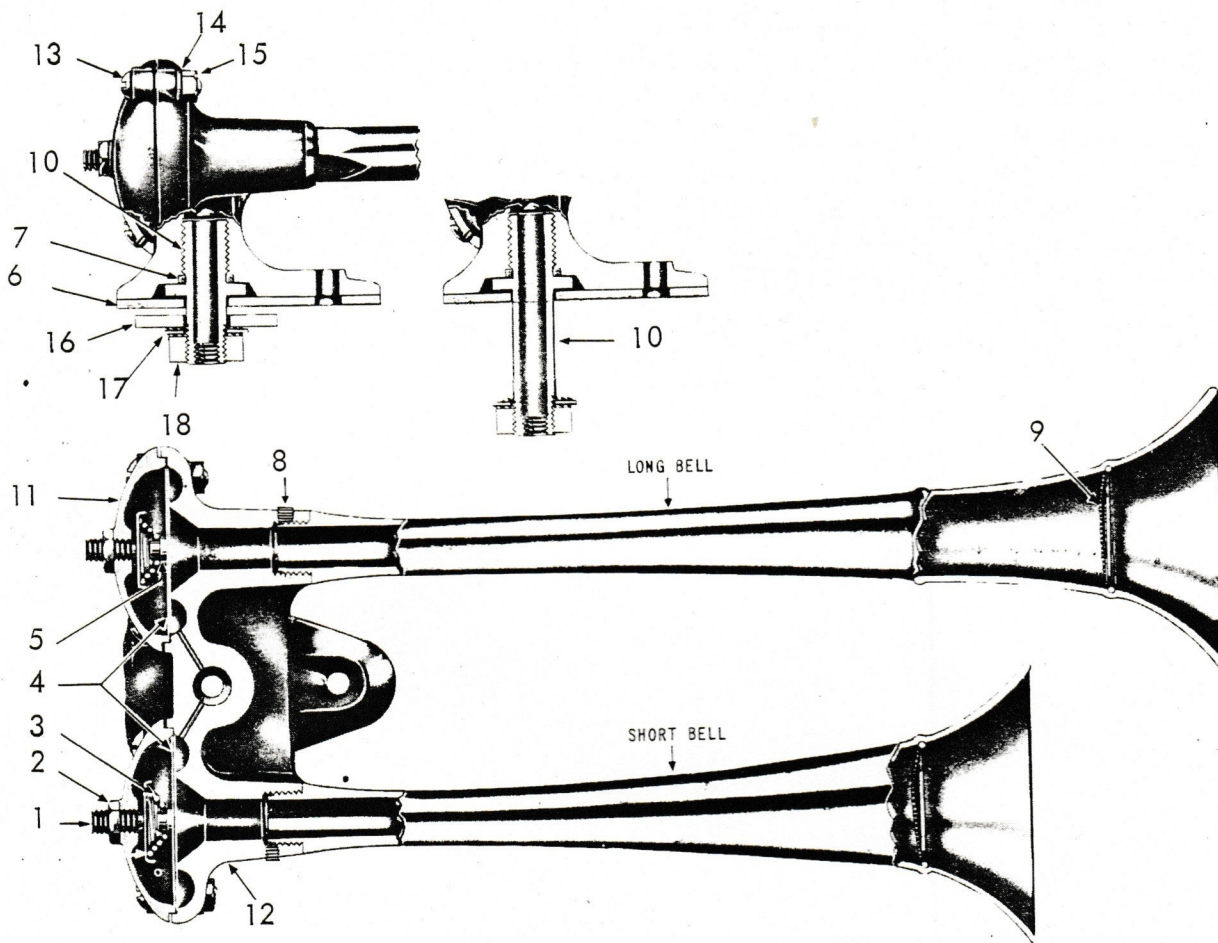
4 - BRAKES AND AIR SYSTEM

GROUP:

4.24

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 4-14		<u>AIR HORN VALVE - FOOT OPERATED</u> 4.2401	
	4-24-77	Air Horn Valve Assembly	1
3	4-24-78	Body	1
4	4-24-79	Stem	1
5	4-24-80	Grommet -Stem	1
6	4-24-81	Valve - Inlet (Rubber)	1
7	4-24-82	Seat - Spring	1
8	4-24-83	Spring	1
9	4-24-39	Strainer Plate	1
10	4-24-84	Cap - 1/4 NPT	1
1	4-24-85	Button	1
2	4-24-36	Pin - Cotter	1

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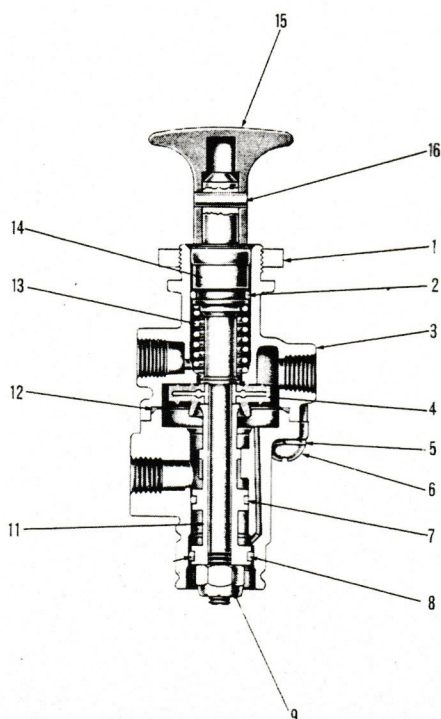
4 - BRAKES AND AIR SYSTEM

GROUP:

4.24

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 4-25		<u>AIR HORNS</u> 4.2402	
	4B-24-1	Air Horns - Consisting of:	1
9	4B-24-7	Screen	2
	4B-24-2	Bell - Short	1
5	4-24-5	Contact - Spring	2
4	4-24-6	Diaphragm	2
3	4-24-7	Spring	2
2	4B-24-5	Nut - Lock	2
11	4-24-9	Cover	2
1	4-24-10	Seat - Spring Assembly	2
8	4B-24-6	Screw - Set	2
13	4-24-13	Screw - 1/4" Machine	8
14	4-24-14	Washer - 1/4" Lock	8
15	4B-24-4	Nut - 1/4" Hex.	8
	4B-24-3	Bell - Long	1
7	4-24-18	Grommet	1
10	4-24-19	Coupling - Mounting	1
6	4-24-20	Gasket	1
16	4-24-21	Washer - Special	1
17	4-24-22	Washer - Thin Lock	1
18	4-24-23	Nut - 5/8" Thin	1
12	4-24-16	Body	1

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KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 4-26		<u>PUSH-PULL CONTROL VALVE</u> 4.2801	
	4B-28-1	Push-Pull Control Valve Assembly - Below Driver's Seat - R.H.	1
15	4B-28-2	Button	1
16	4B-28-3	Spiral Pin	1
1	4B-28-4	Nut	1
2	4B-28-5	Grommet - .629" O.D.	1
3	4B-28-6	Body	1
4	4B-28-7	Inlet & Exhaust Valve	1
5	4B-28-8	Lockwasher	2
6	4B-28-9	Machine Screw	2
7	4B-28-5	Grommet - .629" O.D.	1
8	4B-28-10	Grommet - 5/8 O.D.	1
9	4B-28-11	Hex. Nut - E.S.N.A.	1
	4B-28-12	Cover - Bottom	1
11	4B-28-13	Piston	1
12	4B-28-14	Sealing Ring - 1.433" O.D.	1
13	4B-28-15	Spring	1
14	4B-28-16	Plunger	1
	4B-28-17	Dial	1
	4B-28-25	Cover S/A - Protecting - Push-Pull Valve	1
			
<u>PLATE 4 - 26 - PUSH-PULL CONTROL VALVE</u>			

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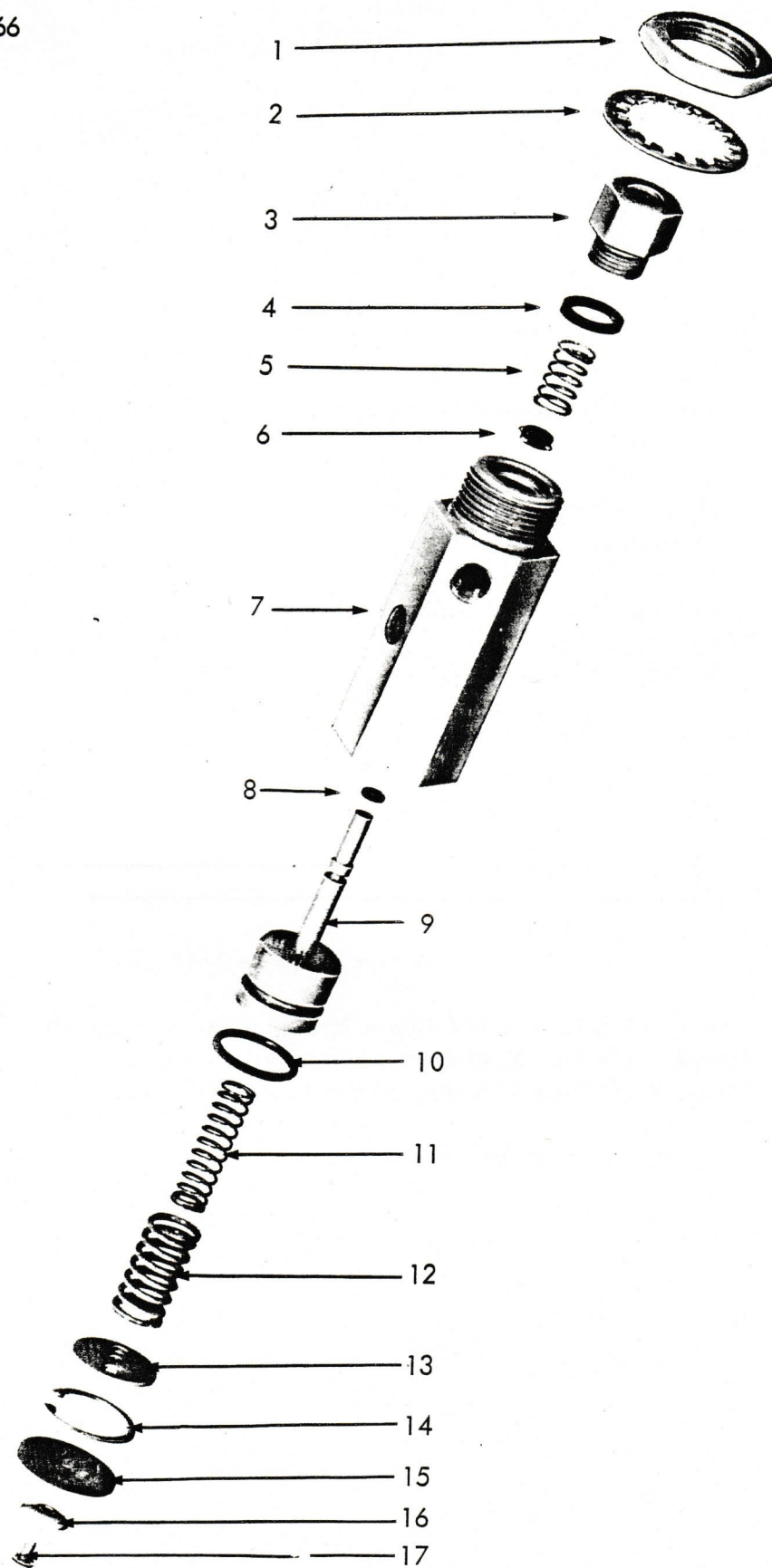


PLATE 4 - 29 - TR-2 INVERSION VALVE

4-BRAKES AND AIR SYSTEM

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4.29

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Challenger**PARTS MANUAL**

MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 4-29		<u>INVERSION VALVE</u> 4.2901	
	4B-29-1	Inversion Valve Assembly - Complete	1
7	4B-29-2	Body Only - Main	1
3	4B-29-3	Cap Nut	1
4	4B-29-4	O Ring - End Fitting	1
2	4B-29-5	Shakeproof Washer	1
1	4B-29-6	Hex. Nut - Valve Mounting	1
5	4B-29-7	Valve Spring	1
6	4B-29-8	Valve	1
9	4B-29-9	Piston	1
8	4B-29-10	O Ring - Small	1
10	4B-29-11	O Ring - Large	1
12	4B-29-12	Spring - Large	1
11	4B-29-13	Spring - Small	1
13	4B-29-14	Cover Plate	1
14	4B-29-15	Snap Ring	1
15	4B-29-16	Diaphragm	1
16	4B-29-17	Diaphragm Washer	1
17	4B-29-18	Screw - Round Head C/W Star Washer - 1/4" Long	1
	N.P.N.	Fitting - 3/8 Tube X 1/4 Pipe - 90 deg. S.A.E. Elbow 49 X 6	4
	N.P.N.	Fitting - 1/4 Pipe X 45 deg. Street Elbow 3350 X 4	1
	N.P.N.	Fitting - 1/4 Pipe X 90 deg. Street Elbow 3400 X 4	1
	2B-3-225	Bracket - Inversion Valve Mounting - Rear Axle	1

SECTION 5

Clutch

GROUP INDEX

	<u>Group No.</u>
Clutch Assembly	5.01
Clutch Cover Plate	5.02
Clutch Driven Disc	5.03
Clutch Pilot Bearing	5.04
Clutch Linkage & Air Assist Mechanism	5.05

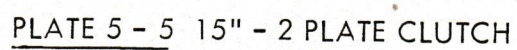


PLATE 5 - 5 15" - 2 PLATE CLUTCH



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GROUP:	5.01/.02		

KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>CLUTCH ASSEMBLY</u> 5.0101	
	5B-1-1	Clutch Assembly - 15" - 2 Plate - Complete	1
	5B-2-1	Cover Plate Assembly	1
	5B-3-1	Driven Member Assembly - Rear to Engine Flywheel Face	1
	5B-3-2	Driven Member Assembly - Front to Trans.	1
		<u>CLUTCH COVER PLATE ASSEMBLY</u> 5.0201	
Plate 5-5			
	5B-2-1	Clutch Cover Plate Assembly - Complete	1
	5B-2-2	Pressure Plate & Lever Assembly	1
1	5B-2-3	Plate - Pressure	1
5	5B-2-4	Pin - Release Lever	6
3	5B-2-5	Roller - Release Lever Needle	168
4	5B-2-6	Pin - Cotter 3/32 x 5/8 Lg.	12
2	5B-2-7	Pin - Release Lever	6
6	5B-2-8	Yoke - Release Lever	6
7	5B-2-9	Spring - Release Lever	6
	5B-2-10	Washer - Retaining 5B-2-7 Pin	12
9	5B-2-11	Unit - Release Lever & Thrust Button	6
10	5B-2-34	Lever - Release	6
11	5B-2-12	Button - Lever Thrust	6
15	5B-2-13	Cover Plate & Drive Block Assembly	1
12	5B-2-14	Nut - Hex 7/16 - 20 Thread	6
13	5B-2-15	Lockwasher - 7/16 Med.	6
14	5B-2-16	Block - Drive	6
	5B-2-17	Coverplate & Bracket Assembly	1
	5B-2-18	Bracket - Adjusting Screw	3
16	5B-2-19	Cover Plate & Spring Locator Assembly	1
	5B-2-28	Cover Plate	1
	5A-2-5	Locator - Pressure Spring	24
	5A-2-21	Nut - Release Lever Adjusting	6
8	5A-2-22	Plate - Thrust	6
	5A-2-23	Tag - Identification	6
	5A-2-24	Capscrew - Identification Tag	6
34	5A-2-25	Washer - Pressure Spring Locator	24
33	5A-2-26	Spring - Pressure - (139 lb. at 1.888)	24
	5A-2-27	Capscrew	12
	5B-2-29	Nut - Stove - 5/16 - 24 Thread (Self-locking)	12
	5B-2-30	Weight - Balancing	As Req'd
	5B-2-31	Weight - Balancing	As Req'd
	5B-2-32	Weight - Balancing	As Req'd
	5B-2-33	Weight - Balancing	As Req'd
17	5B-2-27	Center Drive Plate Assembly	1
	5B-2-26	Shim - Flywheel Wear Plate	As Req'd

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5.03/.04

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KEY	PART NUMBER	DESCRIPTION	QTY.
Plate			
5 - 5		<u>CLUTCH DRIVEN MEMBERS</u> 5.0301	
	5B-3-1	Driven Member Assembly - Rear to Engine Flywheel	1
	5B-3-2	Driven Member Assembly - Front to Trans.	1
20	5B-3-3	Driven Plate & Facing Assembly	2
21	5B-3-4	Plate - Driven	2
22	5B-3-5	Facing - Friction	4
23	5B-3-6	Rivet - Friction Facing	72
25	5B-3-13	Plate - Retainer - For 5B-3-2 Member Assembly	1
24	5B-3-7	Pin - Stop	12
26	5B-3-8	Washer - Reinforcement	24
27	5B-3-9	Spring - Damper	24
28	5B-3-10	Hub - For 5B-3-1 Member Assembly	1
29	5B-3-11	Hub - For 5B-3-2 Member Assembly	1
30	5B-3-12	Plate - Retainer - For 5B-3-1 Member Assembly	1
31	5B-3-14	Slinger - Oil - Flywheel Side	1
32	5B-3-15	Slinger - Oil - Cover Plate Side	1
		<u>CLUTCH PILOT BEARING</u> 5.0401	
	5A-4-1	Clutch Pilot Bearing	1
		<u>NOTE: For Clutch Release Parts See Group 13.06</u>	



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KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 5-6		<u>CLUTCH LINKAGE</u> 5.0501	
	5C-5-33	Clutch Pedal Assembly - C/W Pad	1
2	5C-5-22	Pedal S/A - Less Rubber Pad	1
1	5C-5-25	Rubber Pad - Clutch Pedal	1
3	5A-5-13	Hose - 3" Lg. - Clutch Stem - Underfloor	1
4	N.P.N.	Rubber Grommet - 3/4" I.D. x 1 5/8" O.D x 5/16 Thick	1
	N.P.N.	Flat Washer - 5/8" I.D. X 1 5/16" O.D.	1
6	5C-5-18	Clutch Arm - C/W Pivot Bearing	1
6	5C-5-26	Clutch Arm Only	1
5	N.P.N.	Bolt - 3/8 - 24 x 1 1/2" Lg. - Arm to Stem	1
	N.P.N.	Lockwasher - 3/8	1
	N.P.N.	Hex. Nut - 3/8 - 24	1
	N.P.N.	Set Screw - 1/4 - 20 U.N.C. - 2 B - Hex. Socket	2
7	5B-5-5	Bearing Retainer - Clutch Arm Pivot	1
	5C-5-34	Bronze Bearing - Clutch Arm Pivot Bearing Retainer	2
8	5B-5-9	Pin - Clutch Arm Pivot	1
	N.P.N.	Zerk - 30° - 1/8 N.P.T. - 1612 - Pivot Pin	1
9	N.P.N.	Bolt - Mtg. Bearing Retainer to Body - 3/8 - 16 x 1" Lg.	4
	N.P.N.	Lockwasher - 3/8 - Bearing Retainer Bolt	4
	N.P.N.	Hex. Nut - 3/8 - 16 - Bearing Retainer Bolt	4
10	5C-5-9	Shoulder Bolt - Front Clutch Return Spring Anchor	1
	N.P.N.	Lockwasher - 1/2	1
	N.P.N.	Nut - 1/2 - 20 U.N.F.	1
11	5B-5-12	Unibal Ends - Clutch Arm to Front Cross Shaft Lever	2
12	5C-5-29	Link - Front Clutch Arm to Front Cross Shaft Lever	1
13	N.P.N.	Jam Nut - 1/2 - 20 U.N.F. Hex.	2
14	N.P.N.	Bolt - 1/2 - 20 x 2" Lg. - Front Link to Lever	1
	N.P.N.	Lockwasher - 1/2" - Front Link to Lever	1
	N.P.N.	Hex. Nut - 1/2" - 20 U.N.F. - Front Link to Lever	1
19	5B-5-84	Spring - Front Clutch Linkage return	1
18	5C-5-31	Shoulder Bolt - Front linkage return spring anchor	1
15	5C-5-17	Lever - Clutch Arm Link to Front L.H. Cross Shaft	1
16	N.P.N.	Bolt - 3/8 For Above Lever	1
	N.P.N.	Nut - 3/8 Hex. For Above Lever	1
25	5A-5-17	Key - Woodruff #11 - L.H. and R.H. Levers	2
26	5A-5-15	Front Cross Shaft	1
27	5B-5-21	Collar - C/W 1/4" Set Screw	2
	N.P.N.	Set Screw - 1/4 - 20 Hex. Socket	2
28	5B-5-23	Bearing Assembly - Front L.H. & R.H. Cross Shaft	2
17	N.P.N.	Bolt - 3/8 x 3/4 N.F. - Retaining Bearing - Front Cross Shaft	8
	N.P.N.	Lockwasher - 3/8	8
	N.P.N.	Nut - 3/8 Hex.	8
20	10-272	Lever - Front Cross Shaft to Control Rod	1

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KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 5-6		<u>CLUTCH LINKAGE (Cont'd)</u> 5.0502	
29	N.P.N.	Bolt - 3/8 - 24 x 1 3/4 - Long	1
	N.P.N.	Lockwasher - 3/8	1
	N.P.N.	Hex. Nut - 3/8 - 24	1
	N.P.N.	Bolt - 1/2 - 20 x 2" Lg. - Attach Cross Shaft Lever to Control Rod	1
	N.P.N.	Lockwasher - 1/2	1
	N.P.N.	Hex. Nut - 1/2 - 20	1
30	5C-5-10	Control Rod Assembly - C/W Swivel Ends	1
31	5C-5-7	Control Rod S/A - Less Unibal Ends	1
	5B-5-12	Unibal End Connector - Front	1
	N.P.N.	Nut - Jam - 1/2" Hex. - Swivel End	1
32	13C-7-18	Yoke - Clutch Control Rod to Rear Cross Shaft Lever	1
33	N.P.N.	Jam Nut - Control Rod to Yoke	1
21	13C-7-19	Unibal End - 5/8 N.F. Male Thread	1
22	13C-7-17	Capscrew - 1/2 N.F. x 1 3/4 Spec. Hd.	1
	N.P.N.	Nut - 1/2 NF Hex. castellated	2
	N.P.N.	Cotter Pin 3/32 x 3/4	2
34	5B-5-22	Lever & Cross Shaft S/A - Control Rod to Rear Cross Shaft	1
35	5B-5-24	Bearing Assembly - Rear Cross Shaft	2
36	5B-5-21	Collar - Rear Cross Shaft Positioning R.H. Side (Wide)	1
23	5B-5-85	Collar - Rear Cross Shaft Positioning L.H. Side (Narrow)	1
37	N.P.N.	Set Screw - 1/4 - 20 U.N.C. Hex Socket Hd. for L.H. & R.H. Collars	2
38	N.P.N.	Bolt - 3/8 x 3/4 N.F. - Retaining Bearing - Rear Cross Shaft	8
39	N.P.N.	Lockwasher - 3/8 For Bolts	8
40	N.P.N.	Nut - 3/8 - 24 N.F. for Bolt	8
41	5B-5-55	Mounting Bracket - Rear Clutch Cross Shaft & Water Valve	1
42	5B-5-28	Lever - Rear Cross Shaft to Linkage	1
43	N.P.N.	Bolt - 3/8 x 2 N.F. - Lever	1
44	N.P.N.	Lockwasher - 3/8 - Lever Bolt	1
45	N.P.N.	Nut - 3/8 N.F. Hex. - Lever Bolt	1
	5B-5-26	Linkage Assembly - Rear Cross Shaft Lever to Clutch Release Lever	1
46	5B-5-12	Unibal End - Female	2
47	5B-5-27	Link Only	1
48	N.P.N.	Jam Nut	2
49	N.P.N.	Bolt - Linkage to Rear Cross Shaft Lever - 1/2 x 2 N.F.	1
50	N.P.N.	Locknut - 1/2 Fibre	1
51	N.P.N.	Bolt - Linkage to Clutch Release Lever - 1/2 x 2 1/2 N.F.	1
52	N.P.N.	Nut - 1/2 N.F. Bolt	1

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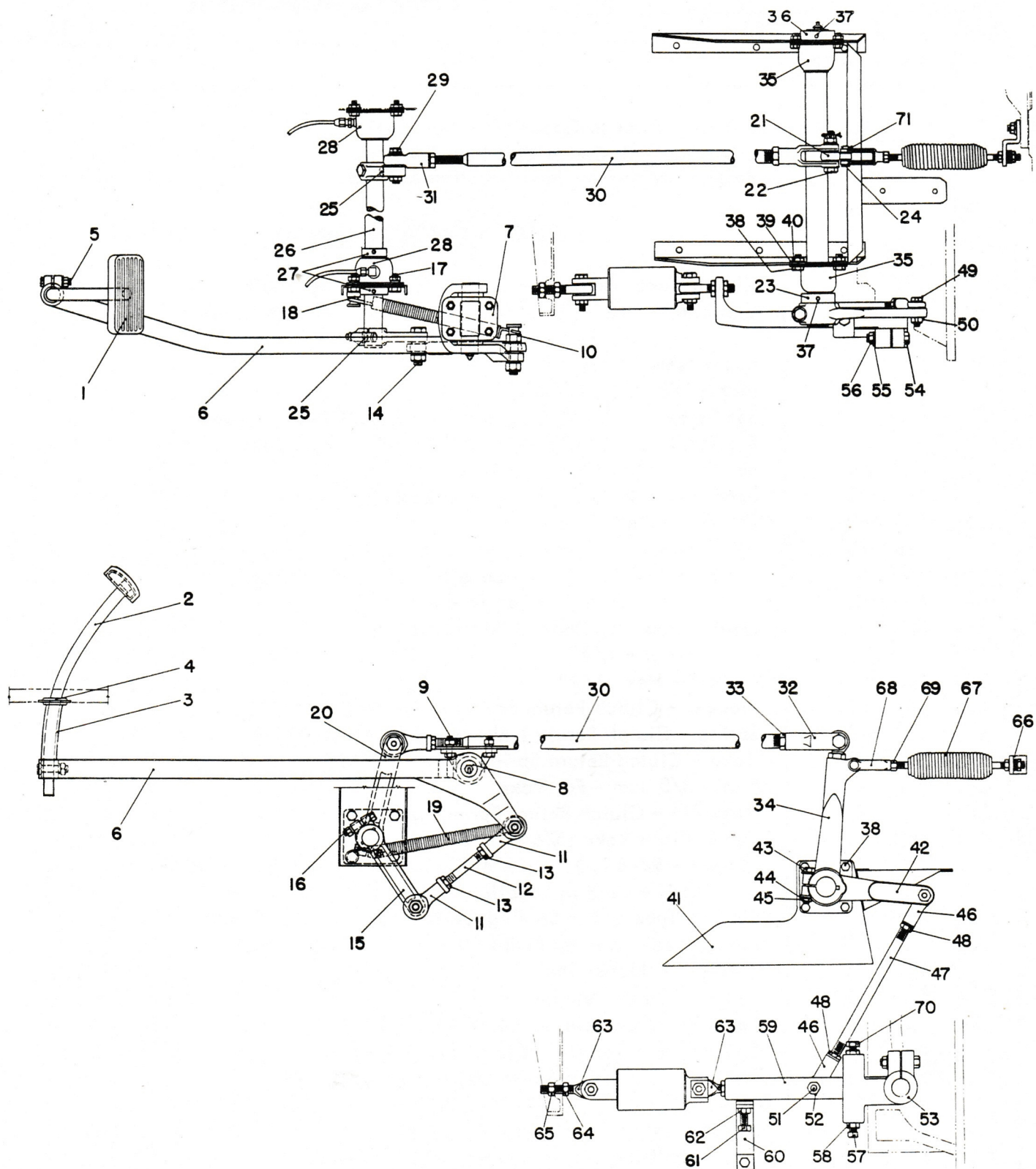


PLATE 5-6: CLUTCH LINKAGE
(EFFECTIVE PRIOR TO COACH UNIT NO. 5441)

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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
* **	<u>NOTE:</u>	Effective Prior to Coach Unit No. 5441 Effective With Coach Unit No. 5441 - (Refer Plate 5-7 for Identification of Parts.)	
Plate 5-6		<u>CLUTCH LINKAGE (Cont'd)</u> 5.0503	
*53	13B-6-4	Clutch Yoke Assembly - Clutch Housing Cross Shaft	1
54	N.P.N.	Capscrew - 1/2 - 20 N.F. Fasten Yoke to Clutch Housing Cross Shaft	1
55	N.P.N.	Lockwasher - 1/2"	1
56	N.P.N.	Nut - 1/2 N.F. - Hex.	1
*57	N.P.N.	Set Screw - 1/2 x 3" Long N.C. - Square Head - Lower	1
*70	N.P.N.	Set Screw - 1/2 x 3" Long N.C. - Hex. Hd. Upper	1
*58	N.P.N.	Jam Nut - 1/2 N.C. Set Screw	2
	5B-5-80	Spacer - (nylon) Clutch Release Lever	1
*59	13B-6-2	Clutch Release Lever	1
*60	13B-6-3	Stop - Clutch Release Lever	1
*61	N.P.N.	Set Screw - 1/2 x 1 1/4 Long N.C. - Stop - Hex.	1
*62	N.P.N.	Jam Nut - 1/2 Hex. - Set Screw	1
63	5B-5-52	Unibal Ends - Cylinder - Air Assist	2
64	N.P.N.	Jam Nut - 1/2"	2
65	N.P.N.	Nut - Hex. 1/2"	2
66	5B-5-73	Bracket - Clutch Return Spring Anchor - On Engine	1
67	16B-3-28	Spring - Clutch Return Linkage - Rear - On Engine	1
68	5B-5-78	Yoke - Clutch Return Spring to Lever - Rear	1
69	N.P.N.	Nut - 3/8 Jam - For Yoke	1
24	N.P.N.	Yoke Pin - Clutch Return Spring (2708 1/2 - 4A)	1
71	N.P.N.	Cotter Pin - Yoke (5/64 x 1/2)	1
	5C-5-30	Washer - 9/16 I.D. x 1 3/4" O.D. Retaining Linkage Unibal Ends - Used in Locations - Key #21, 19, 31, 46	5
	3C-52-26	Plate & Tube S/A - Sealing Clutch Pedal Stem at Floor	1
	5C-5-35	Rubber Seal - Clutch Pedal Stem	1
	5C-5-36	Retainer - Rubber Seal	1
**70	5C-5-45	Lever - Clutch Release	1
**57	5C-5-46	Lever - Clutch Release Adjusting	1
75	5C-5-48	Screw S/A - Adjusting Clutch Release Lever	1
**59	5C-5-51	Pin S/A - Adjusting Screw Upper - R.H. Thread	1
	5C-5-52	Pin Only	1
	5C-5-53	Nut Only	1
**58	5C-5-58	Pin - Adjusting Screw - Lower - L.H. Thread	1
73	5C-5-47	Handle - Clutch Release Lever Adjusting	1
72	N.P.N.	Lock Nut - 3/8 - 24 N.F.	1
**60	N.P.N.	Washer - Spring Retaining - 92 S.N.	1
**61	5C-5-55	Spring - Adjusting Handle Retaining	1
**53	N.P.N.	Washer - Flat - 1/2" I.D.	2
76	N.P.N.	Lock Nut - 1/2 - N.F.	2

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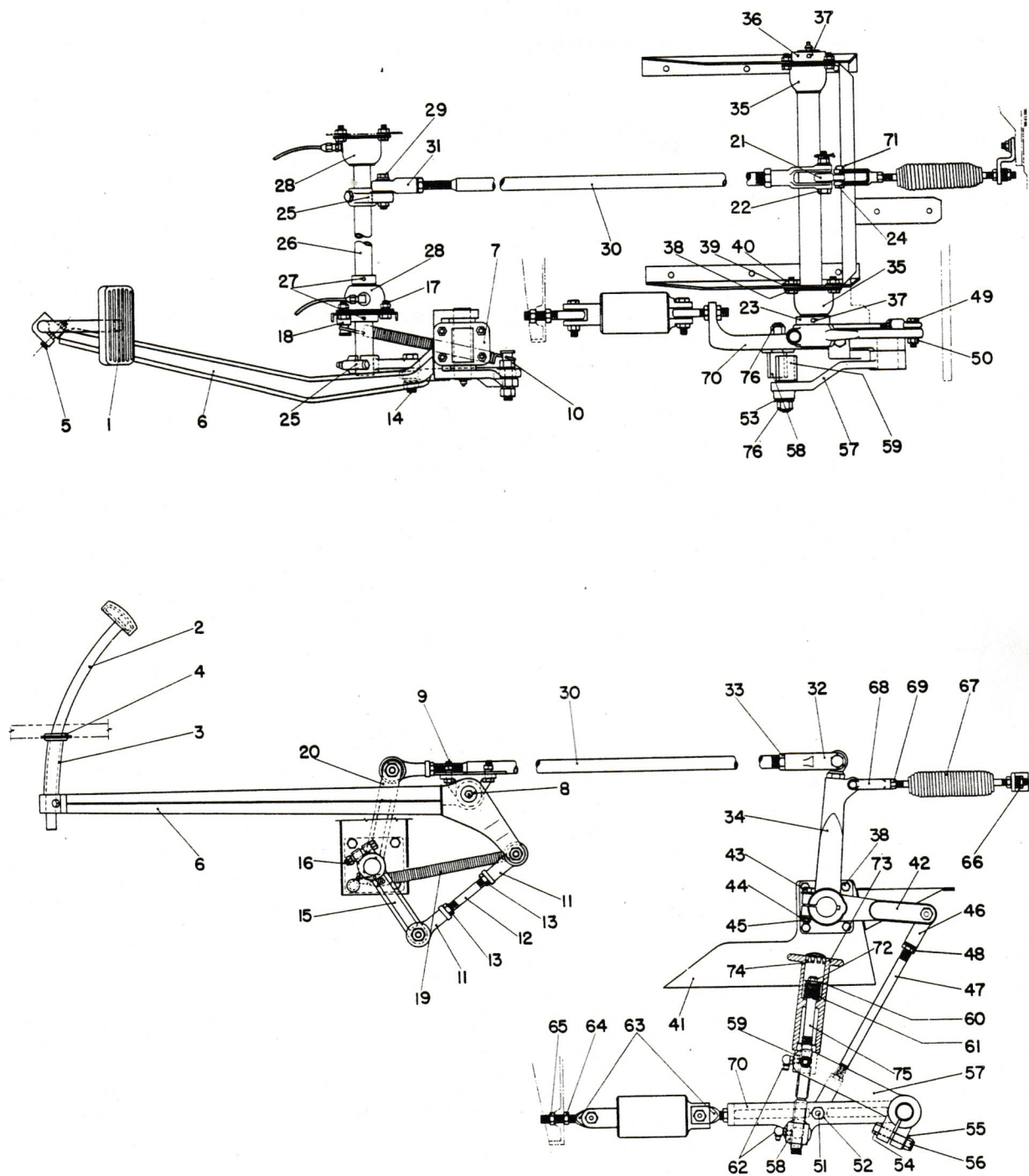


PLATE 5-7: CLUTCH LINKAGE
(EFFECTIVE WITH COACH UNIT NO. 5441)

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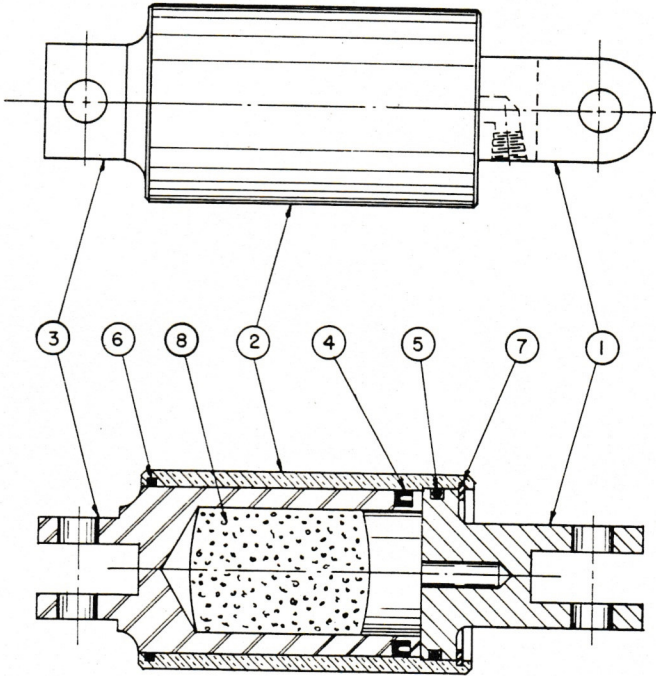
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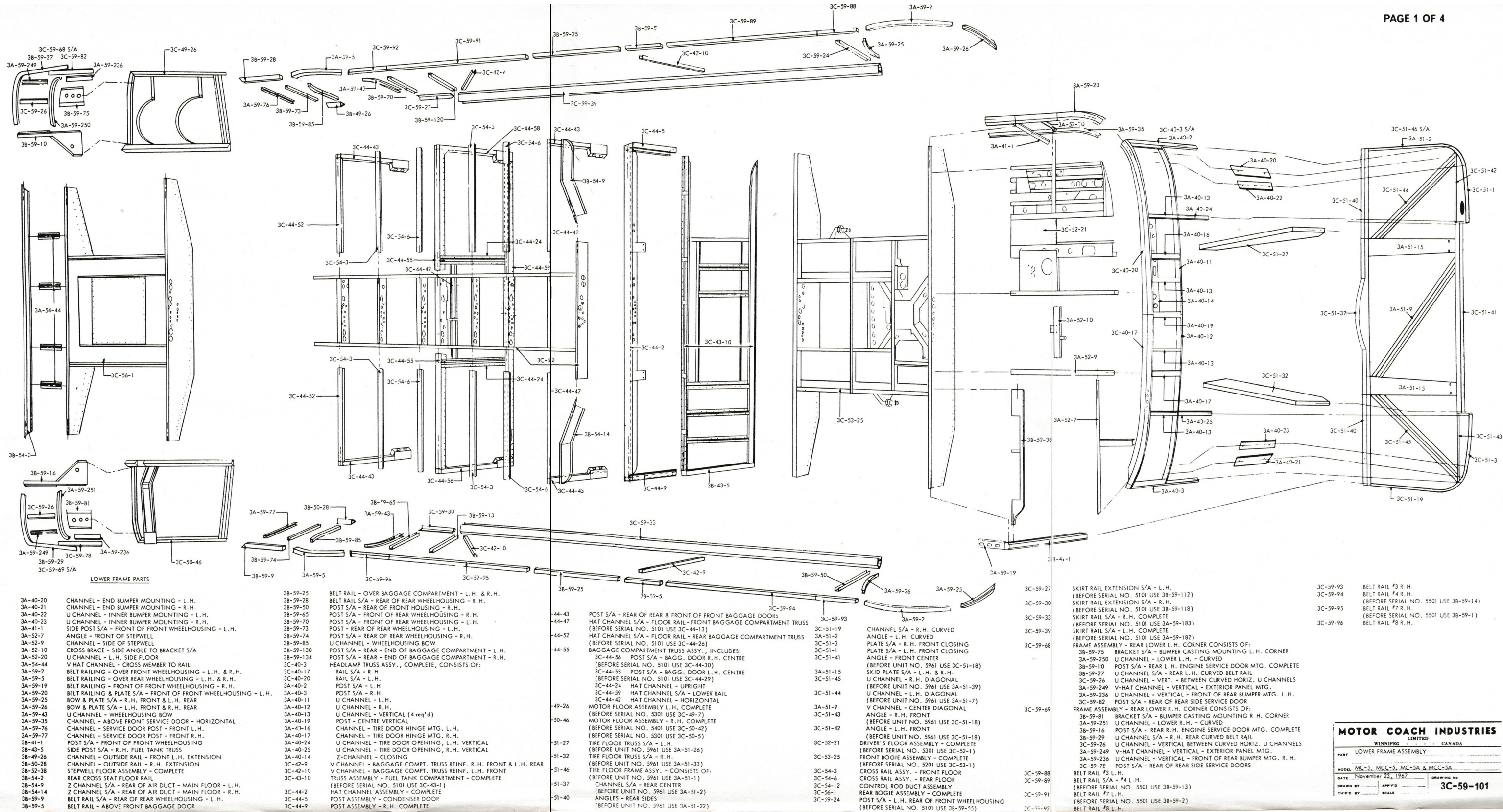
MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
**		Effective With Coach Unit No. 5441 (Refer Plate 5-7 for Identification of Parts)	
Plate 5-7		<u>CLUTCH LINKAGE (Cont'd)</u> 5.0504	
55	N.P.N.	Lockwasher - 1/2" I.D.	1
56	N.P.N.	Nut 1/2 - 20 N.F. Hex.	1
74	N.P.N.	Plug Button - Top of Handle	1
**62	N.P.N.	Zerk Fitting - 1/8 P.T. - 65°	2
	5C-5-57	Nameplate - Clutch Slack Adjusting Lever Assembly	1

PARTS MANUAL

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SECTION:	5 - CLUTCH		
GROUP:	5.05		

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 5-3		<u>AIR CYLINDER - CLUTCH ASSIST</u> 5.0504	
1	5B-5-45	Air Cylinder - Clutch Air Assist	1
2	5B-5-31	Yoke End Plate	1
3	5B-5-47	Cylinder - 2" I.D. x 3/16" Wall	1
4	5B-5-50	Piston - 2" Dia.	1
5	5B-5-37	Packing - For Piston	1
6	5B-5-39	O Ring - Yoke End Plate	1
7	5B-5-48	O Ring - Cylinder	1
8	5B-5-40	Retaining Ring	1
	5B-5-51	Sponge Oiler	1
	48 x 4	Fitting - Adapter For Hose	1
 <u>PLATE 5 - 3 - CLUTCH ASSIST AIR CYLINDER</u>			



3A-76-1	BELT RAIL S/A - #1 L.H.
3A-76-2	BELT RAIL - #1 R.H.
3A-76-3	BELT RAIL - #2 OVER FRONT WHEELHOUSING
3A-76-5	BELT RAIL - #4 R.H.
3A-76-6	BELT RAIL - #5 OVER REAR WHEELHOUSING L.H. & R.H.
3A-76-11	RAIL - BELOW TRIANGULAR WINDOW L.H.
3A-76-12	RAIL S/A - R.H. - BELOW TRIANGULAR WINDOW
3A-76-15	RAIL - BELOW SIDE WINDOW #1 L.H.
3A-76-16	RAIL - #1 R.H. - BELOW SIDE WINDOW
3A-76-17	RAIL - #2 L.H. & #3 R.H. BELOW SIDE WINDOW
3A-76-18	RAIL - #3 L.H. & #2 R.H. BELOW SIDE WINDOW
3A-76-19	RAIL - BELOW SIDE WINDOW #4 L.H.
3A-76-20	RAIL - #4 R.H. BELOW WINDOW REAR

POST S/A - SHORT
MAIN POST S/A - DOUBLE - CENTER - L. H.
MAIN POST S/A - DOUBLE - CENTER - R. H.
BRACE S/A - #8 R. H.
U-CHANNEL S/A - L. H. FRONT DIAG. WINDOW
CHANNEL POST S/A - REAR OF TRIANGULAR WINDC_W
U-CHANNEL - REINF. TOP OF FUEL FILLER BOX
U-CHANNEL - DIAG. R. H. - REAR OF CENTER
U-CHANNEL - DIAG. L. H. - REAR OF CENTER
U-CHANNEL - DIAG. L. H. FRONT OF CENTER
U-CHANNEL - DIAG. R. H. FRONT OF CENTER
GUSSET - REINF. U - CHANNEL TO RAIL BELOW WIND_{OW}
Z-CHANNEL - LAVATORY ROOF BOW

This technical drawing illustrates the hull structure of a ship, showing various components and their identification numbers. The structure includes a main hull body with a curved bottom and a flat top. The hull is divided into several sections by vertical bulkheads. The components are labeled with numbers as follows:

- 3A-76-27, 3A-76-6, 3A-76-38, 3A-76-5, 3A-76-38, 3A-76-391, 3A-76-384, 3A-76-382, 3A-76-223, 3A-76-18, 3A-76-16, 3A-76-156, 3A-76-144, 3A-76-30
- 3B-76-2, 3B-76-21, 3B-76-23, 3B-76-10, 3B-76-12, 3B-76-14, 3B-76-15, 3B-76-16, 3B-76-17, 3B-76-18, 3B-76-19, 3B-76-20, 3B-76-21, 3B-76-22, 3B-76-23, 3B-76-24, 3B-76-25, 3B-76-26, 3B-76-27, 3B-76-28, 3B-76-29, 3B-76-30, 3B-76-31, 3B-76-32, 3B-76-33, 3B-76-34, 3B-76-35, 3B-76-36, 3B-76-37, 3B-76-38, 3B-76-39, 3B-76-40, 3B-76-41, 3B-76-42, 3B-76-43, 3B-76-44, 3B-76-45, 3B-76-46, 3B-76-47, 3B-76-48, 3B-76-49, 3B-76-50, 3B-76-51, 3B-76-52, 3B-76-53, 3B-76-54, 3B-76-55, 3B-76-56, 3B-76-57, 3B-76-58, 3B-76-59, 3B-76-60, 3B-76-61, 3B-76-62, 3B-76-63, 3B-76-64, 3B-76-65, 3B-76-66, 3B-76-67, 3B-76-68, 3B-76-69, 3B-76-70, 3B-76-71, 3B-76-72, 3B-76-73, 3B-76-74, 3B-76-75, 3B-76-76, 3B-76-77, 3B-76-78, 3B-76-79, 3B-76-80, 3B-76-81, 3B-76-82, 3B-76-83, 3B-76-84, 3B-76-85, 3B-76-86, 3B-76-87, 3B-76-88, 3B-76-89, 3B-76-90, 3B-76-91, 3B-76-92, 3B-76-93, 3B-76-94, 3B-76-95, 3B-76-96, 3B-76-97, 3B-76-98, 3B-76-99, 3B-76-100
- 3C-76-2, 3C-76-89, 3C-76-147, 3C-76-376, 3C-76-117, 3C-76-149, 3C-76-155, 3C-76-119

[illegible]

This technical drawing illustrates a longitudinal section of a ship's hull, detailing the internal structural framework. The hull is divided into several compartments by vertical bulkheads. The structure includes a bottom plate, side plates, and various internal stiffeners and bracing members. Numerous components are labeled with alphanumeric codes, such as 3C-76-117, 3A-76-150, 3A-76-154, 3C-76-118, 3A-76-140, 3C-76-112, 3A-76-156, 3A-76-11, 3A-76-15, 3A-76-223, 3A-76-360, 3A-76-362, 3A-76-38, 3A-76-3, 3A-76-1, 3C-76-98, 3C-76-1, 3C-76-97, 3A-76-368, 3A-76-43, 3A-76-223, 3A-76-366, 3A-76-364, 3A-76-38, 3A-76-392, 3A-76-370, 3A-76-18, 3A-76-19, 3A-76-38, 3C-76-122, 3B-76-14, 3B-76-22, 3B-76-24, 3B-76-54, 3B-76-1, 3B-76-20, 3A-76-6, and 3C-76-99. The drawing is a black and white line drawing with clear labels and leader lines pointing to the respective parts.

PART CENTER UPPER FRAME ASSEMBLY

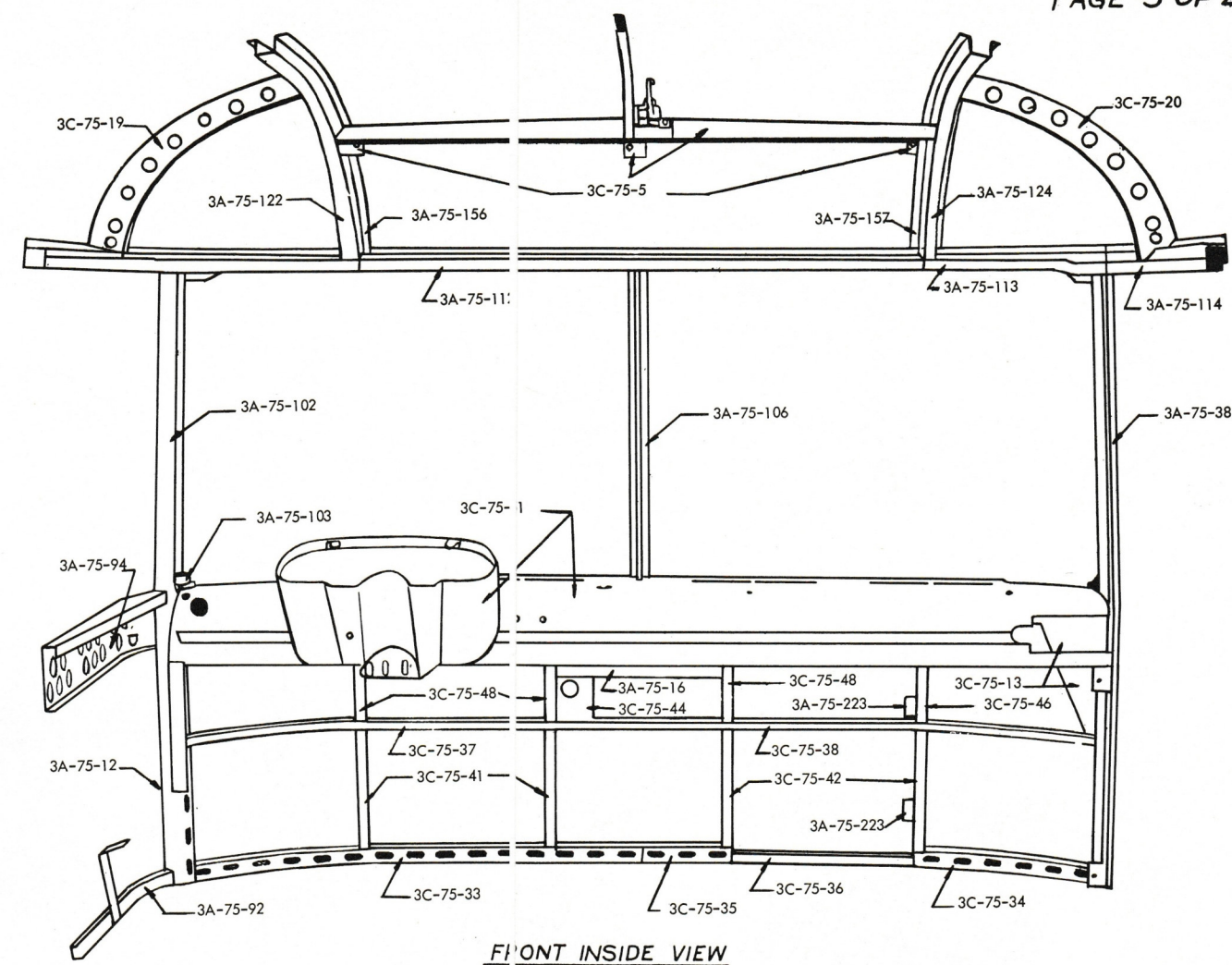
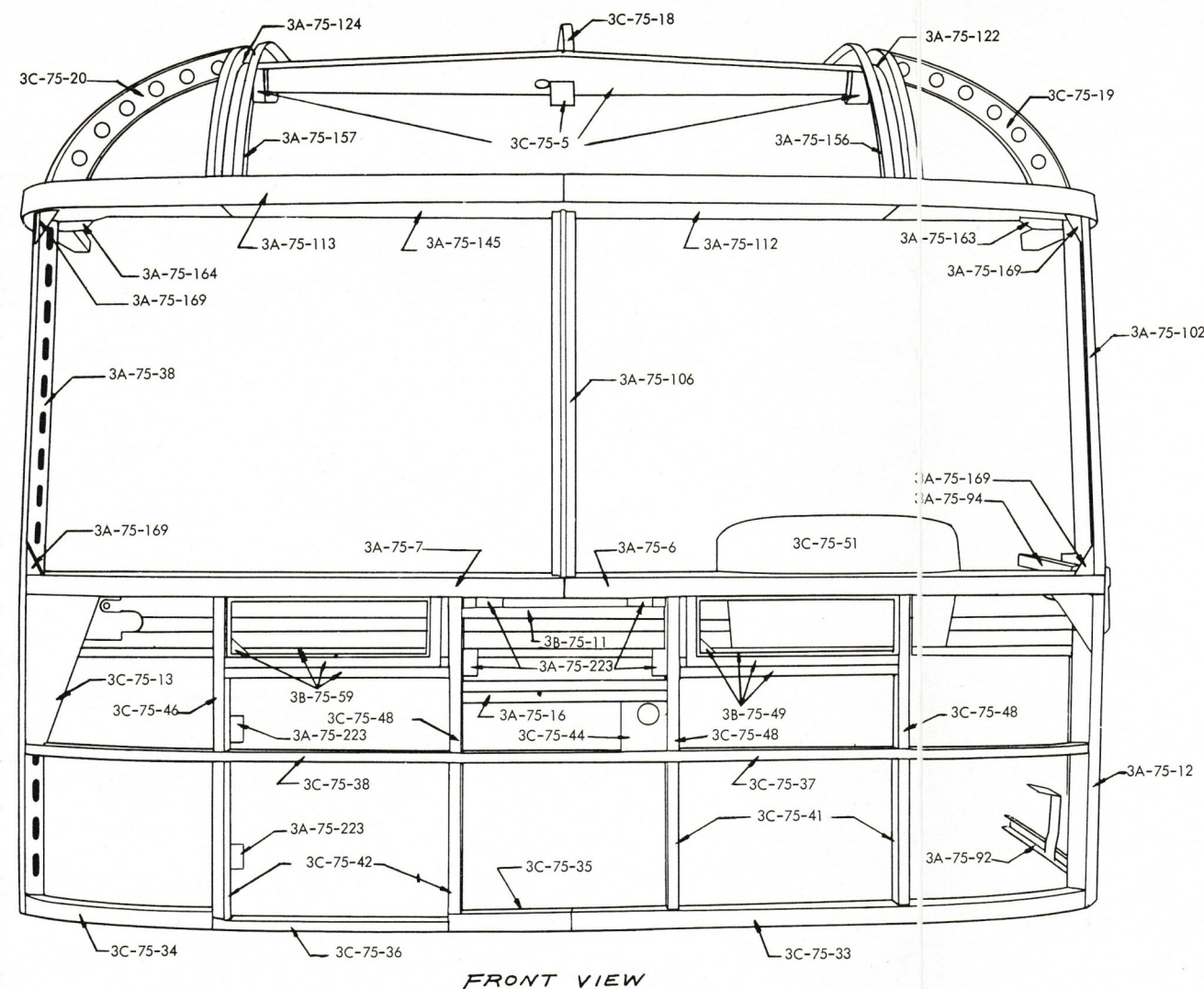
MODEL MC-5, MCC-5, MC-5A & MCC-5A

DATE NOV. 16, 1965

DRAWING NO. 3C-76-139

DRAWN BY APF:YD

CHK'D BY SCALE



FRONT UPPER FRAME PARTS

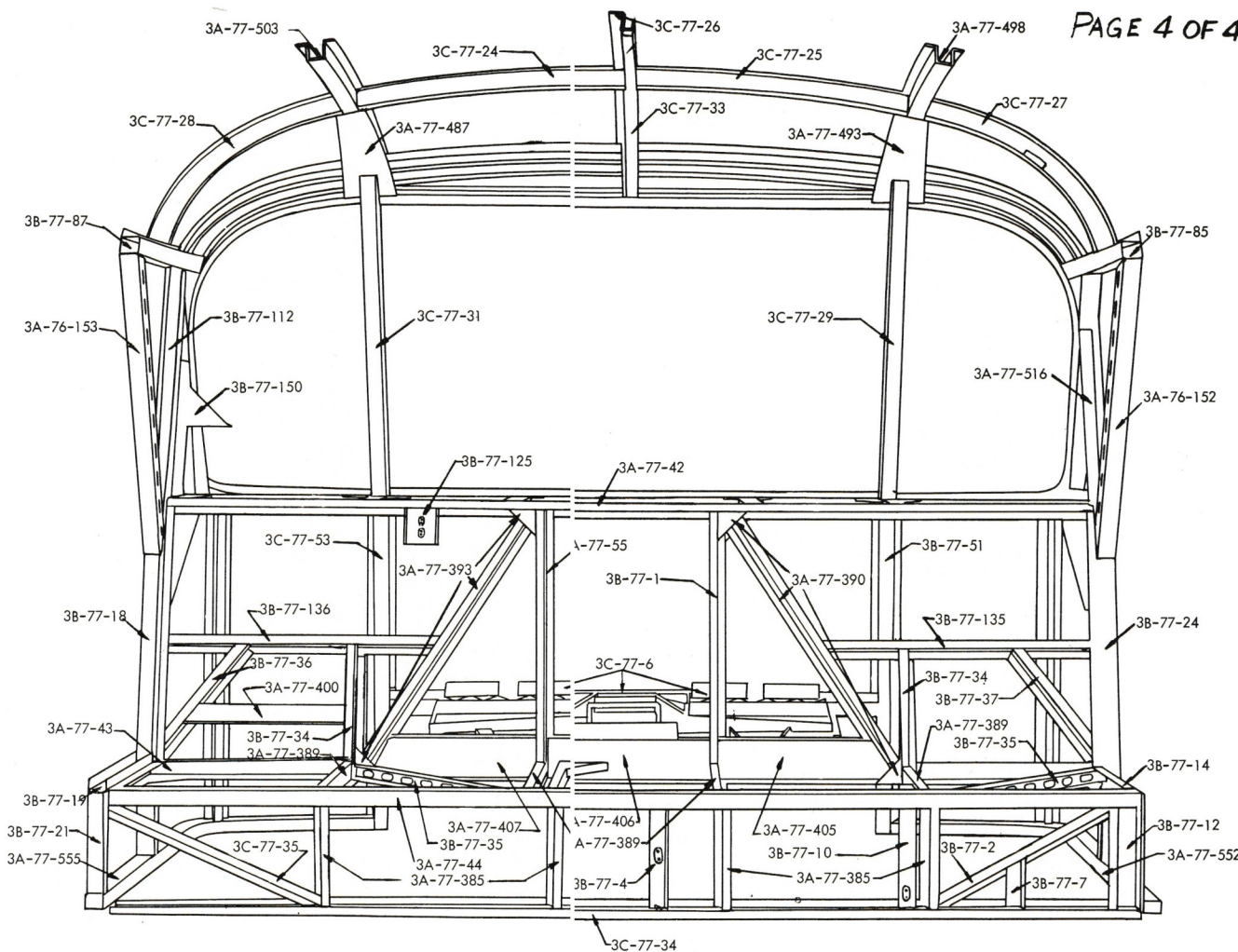
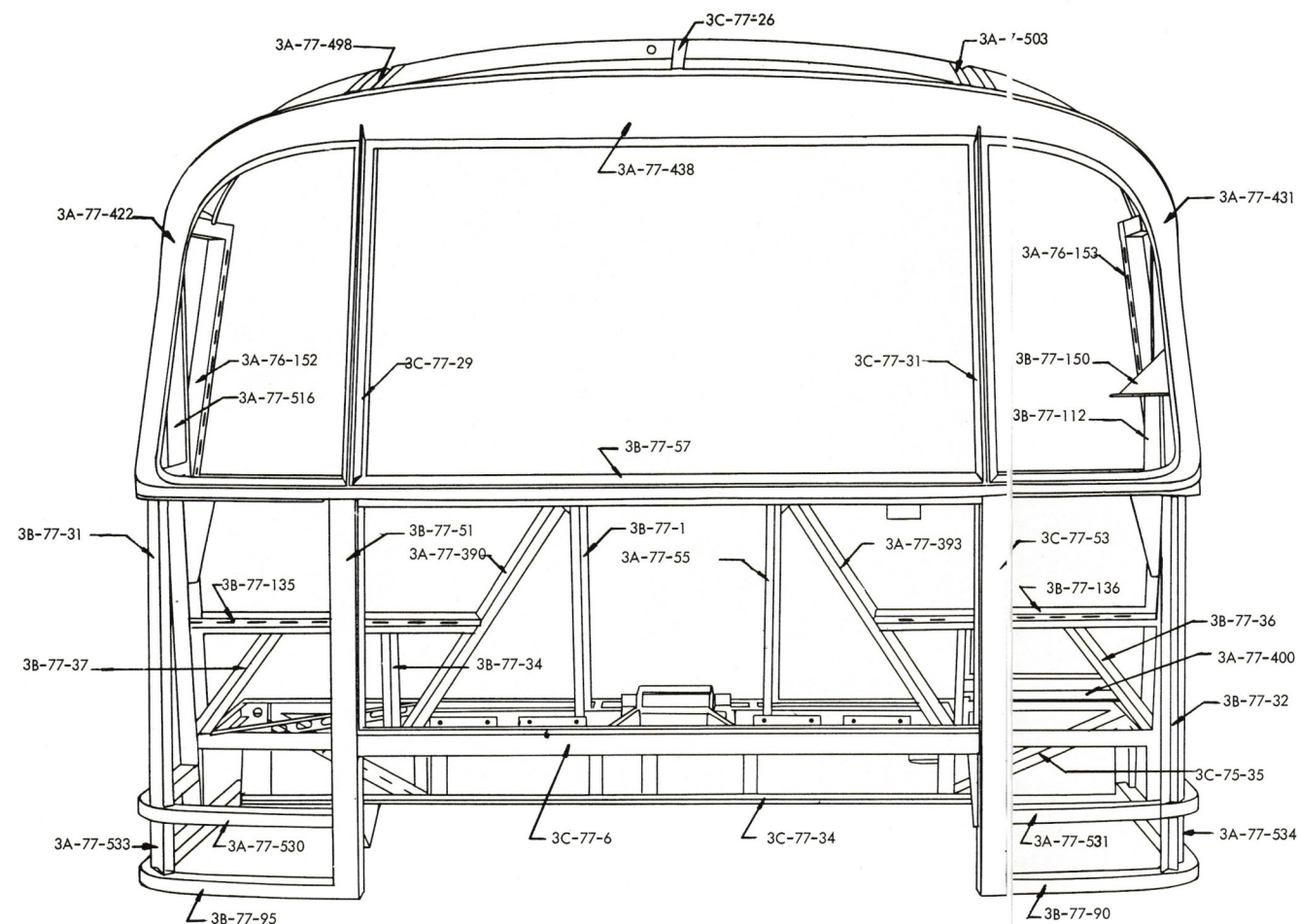
3A-75-6 TUBE S/A - DASHBOARD RAIL - L.H.
 3A-75-7 CHANNEL S/A - R.H. TOP RAIL
 3A-75-12 POST S/A - BELOW DRIVER'S WINDOW
 3A-75-16 Z-CHANNEL - REINF. ENTRANCE DOOR LOCK MOUNTING
 3A-75-38 POST S/A - FRONT OF ENTRANCE DOOR
 3A-75-92 U-CHANNEL - LOWER RAIL - BELOW DRIVER'S WINDOW
 3A-75-94 SILL S/A - DRIVER'S WINDOW
 3A-75-102 POST - FRONT OF DRIVER'S WINDOW
 3A-75-103 STRIP - CORNER POST CAP MOUNTING L.H. LOWER
 3A-75-106 POST S/A - CENTER WINDSHIELD
 3A-75-112 RAIL - L.H. ABOVE DRIVER'S WINDOW AND WINDSHIELD
 3A-75-113 RAIL - R.H. ABOVE WINDSHIELD
 3A-75-114 RAIL - ABOVE ENTRANCE DOOR
 3A-75-122 CHANNEL ONLY - FRONT ROOF L.H.
 3A-75-124 HAT CHANNEL ONLY - R.H.
 3A-75-145 PLATE - FORMED FOR EMBLEM (B.C.E.) L.H.
 3A-75-156 PLATE - SIDE - SIGN BOX - L.H.
 3A-75-157 PLATE - R.H. SIDE OF SIGN BOX

3A-75-163 PLATE - L.H. ABOVE DRIVER'S WINDOW TO SIGN BOX
 3A-75-164 PLATE - R.H. ABOVE ENTRANCE DOOR TO SIGN BOX
 3A-75-169 GUSSET - WINDSHIELD CORNERS
 3A-75-223 TAPPING PLATE - FOR FRONT CHALLENGER NAMEPLATE
 3B-75-11 U-CHANNEL - ENTRANCE DOOR CONTROL MOUNTING
 3B-75-49 FRAME S/A - L.H. WIPER MOUNTING COMPLETE
 3B-75-59 FRAME S/A - R.H. WIPER MOUNTING COMPLETE
 3C-75-5 Z-CHANNEL S/A - ABOVE SIGN BOX
 3C-75-13 PLATE S/A - UPPER ENTRANCE DOOR HINGE MOUNTING
 3C-75-18 BRACE - CENTER ROOF BOW
 3C-75-19 BRACE - L.H. ROOF BOW FRONT SIDE
 3C-75-20 BRACE - R.H. ROOF BOW FRONT SIDE
 3C-75-33 CHANNEL - L.H. LOWER BELT RAIL
 3C-75-34 CHANNEL - LOWER BELT RAIL R.H. END
 (BEFORE SERIAL NO. 5101 USE 3A-75-135)
 (BEFORE SERIAL NO. 5101 USE 3A-75-126)
 (BEFORE SERIAL NO. 5101 USE 3A-75-127)
 (BEFORE SERIAL NO. 5217 USE 3C-75-3)
 (BEFORE SERIAL NO. 5217 USE 3A-75-213)

3C-75-35 U-CHANNEL - CENTER LOWER RAIL (VENT HOLE)
 (BEFORE SERIAL NO. 5217 USE 3C-75-3)
 3C-75-36 CHANNEL - L.H. CENTER LOWER BELT RAIL
 (BEFORE SERIAL NO. 5217 USE 3A-75-213)
 3C-75-37 U-CHANNEL - L.H. CENTER RAIL
 (BEFORE SERIAL NO. 5217 USE 3A-75-4)
 3C-75-38 U-CHANNEL - CENTER RAIL R.H.
 (BEFORE SERIAL NO. 5217 USE 3A-75-5)
 3C-75-41 U-CHANNEL - LOWER SECTION R.H. VERTICAL WITH HOLE
 (BEFORE SERIAL NO. 5217 USE 3A-75-10)
 3C-75-42 U-CHANNEL - LOWER SECTION L.H. VERTICAL
 (BEFORE SERIAL NO. 5217 USE 3A-75-10)
 3C-75-44 PLATE REINF. ENTRANCE DOOR LOCK RELEASE
 (BEFORE SERIAL NO. 5217 USE 3B-75-12)
 3C-75-46 U-CHANNEL - OUTER VERTICAL UPPER SECTION WITH DR. IN HOLE
 (BEFORE SERIAL NO. 5217 USE 3A-75-10)
 3C-75-48 CHANNEL S/A - VERTICAL UPPER SECTION
 (BEFORE SERIAL NO. 5217 USE 3B-75-24)
 3C-75-51 DASHBOARD ASSEMBLY - COMPLETE
 (BEFORE SERIAL NO. 5301 USE 3B-75-20)

MOTOR COACH INDUSTRIES

PART FRONT UPPER FRAME ASSEMBLY
 MODEL MC-5, MCC-5, MC-5A & MCC-5A
 DATE February 4, 1966
 DRAWN BY APP'D
 CHECK'D BY SCALE
 DRAWING NO. 3C-75-63



REAR UPPER FRAME PARTS
 3A-76-152 CHANNEL - L.H. DIAG. WINDOW POST - REAR
 3A-76-153 CHANNEL - R.H. DIAG. WINDOW POST - REAR
 3A-77-42 CHANNEL - SEAT BACK UPPER RAIL
 3A-77-43 ANGLE - LAZYBACK LOWER RAIL
 3A-77-44 ANGLE - KICK PANEL - UPPER RAIL
 3A-77-55 Z-CHANNEL - R.H. SEAT DIAG. BRACE
 3A-77-385 Z-CHANNEL - LOWER VERTICAL - REAR CROSS SEAT
 3A-77-389 Z-CHANNEL - REAR CROSS SEAT
 3A-77-390 Z-CHANNEL S/A - L.H. CENTER DIAG. SEAT BACK BRACE
 3A-77-393 Z-CHANNEL S/A - R.H. CENTER DIAG. SEAT BACK BRACE
 3A-77-400 U-CHANNEL - R.H. HORIZONTAL REAR CROSS SEAT UPPER BRACE
 3A-77-405 ANGLE - CENTER L.H. REINFORCING - REAR CROSS SEAT
 3A-77-406 ANGLE - CENTER REINFORCING - REAR CROSS SEAT
 3A-77-407 ANGLE - CENTER R.H. REAR CROSS SEAT REINFORCING
 3A-77-422 WINDOW FRAME S/A - REAR L.H.
 3A-77-431 WINDOW FRAME S/A - REAR R.H.
 3A-77-438 FRAME S/A - REAR CENTER WINDOW
 3A-77-487 CEILING CAP S/A - ABOVE WINDOW R.H.
 3A-77-493 CEILING CAP S/A - ABOVE WINDOW L.H.
 3A-77-498 HAT CHANNEL - L.H. ROOF
 3A-77-503 HAT CHANNEL - R.H. ROOF
 3A-77-516 U-CHANNEL - L.H. DIAG. BRACE - BETWEEN SIDE & CORNER WINDOW
 3A-77-530 U-CHANNEL - REAR L.H. CURVED CORNER - ABOVE BELT RAIL
 3A-77-531 U-CHANNEL - REAR R.H. CURVED CORNER - ABOVE BELT RAIL
 3A-77-533 HAT CHANNEL - L.H. VERTICAL - SHORT
 3A-77-534 HAT CHANNEL - R.H. VERTICAL - SHORT

3A-77-552 BELT RAIL S/A - BELOW REAR CROSS SEAT L.H.
 3A-77-555 BELT RAIL S/A - BELOW REAR CROSS SEAT R.H.
 3B-77-1 Z-CHANNEL - SEAT BACK L.H. BRACE
 3B-77-2 Z-CHANNEL - L.H. - DIAG. LOWER BRACE
 3B-77-4 U-CHANNEL S/A - AIR CLEANER MOUNTING CENTER R.H.
 3B-77-7 U-CHANNEL S/A - L.H. AIR CLEANER MOUNTING SMALL
 3B-77-10 U-CHANNEL S/A - L.H. CENTER AIR CLEANER MOUNTING
 3B-77-12 CHANNEL S/A - L.H. END VERTICAL RAIL - REAR CROSS SEAT
 3B-77-14 U-CHANNEL - HORIZONTAL SEAT BACK PANEL MOUNTING
 3B-77-18 CHANNEL - R.H. VERTICAL LAZYBACK SEAT PANEL MOUNTING
 3B-77-19 CHANNEL - R.H. HORIZONTAL LAZYBACK SEAT PANEL MOUNTING
 3B-77-21 CHANNEL S/A - R.H. VERTICAL END RAIL
 3B-77-24 CHANNEL S/A - R.H. VERTICAL - WITH EXTENSION
 3B-77-31 HAT CHANNEL - L.H. VERTICAL - UNDER L.H. REAR CORNER WINDOW
 3B-77-32 HAT CHANNEL - R.H. VERTICAL - UNDER R.H. REAR CORNER WINDOW
 3B-77-34 Z-CHANNEL - SEAT BACK VERTICAL
 3B-77-35 Z-CHANNEL - VERTICAL UPPER
 3B-77-36 Z-CHANNEL - R.H. OUTER DIAG. BRACE - SEAT BACK
 3B-77-37 Z-CHANNEL - L.H. OUTER DIAG. BRACE - SEAT BACK
 3B-77-51 POST S/A - L.H. VERTICAL REAR DOOR BODY FRAME
 3B-77-57 CHANNEL S/A - LOWER HORIZONTAL - REAR CENTER WINDOW
 3B-77-85 CHANNEL - BOVE SIDE WINDOW L.H. REAR
 3B-77-87 CHANNEL - BOVE SIDE WINDOW R.H. REAR
 3B-77-90 U-CHANNEL S/A - L.H. REAR CORNER - CURVED BELT RAIL
 3B-77-95 U-CHANNEL S/A - R.H. REAR CORNER - CURVED BELT RAIL
 3B-77-112 U-CHANNEL S/A - R.H. REAR RADIATOR FILLER NECK SUPPORT
 3B-77-125 BRACKET S/A - MOUNTING FILTER FOR RADIATOR SHUTTER

3B-77-135 Z-CHANNEL - HORIZONTAL SEAT BACK L.H. BRACE L.H.
 3B-77-136 Z-CHANNEL - HORIZONTAL SEAT BACK L.H. BRACE R.H.
 3B-77-150 FILLER NECK S/A - RADIATOR
 3C-77-6 FRAME S/A - BLOWER COMPARTMENT FLOR
 3C-77-24 Z-CHANNEL - REAR CROWN BOW R.H.
 3C-77-25 (BEFORE SERIAL NO. 5101 USE 3B-77-78)
 3C-77-26 Z-CHANNEL - REAR CROWN BOW L.H.
 3C-77-27 (BEFORE SERIAL NO. 5101 USE 3A-77-75)
 3C-77-28 Z-CHANNEL - CENTER ROOF
 3C-77-29 (BEFORE SERIAL NO. 5101 USE 3A-77-500)
 3C-77-31 Z-CHANNEL - L.H. REAR UPPER ROOF BO
 3C-77-33 (BEFORE SERIAL NO. 5101 USE 3B-77-80)
 3C-77-34 Z-CHANNEL - R.H. REAR UPPER ROOF BO
 3C-77-35 (BELOW SERIAL NO. 5101 USE 3B-77-81)
 3C-77-36 INTERIOR MULLION S/A - REAR CENTER WINDOW - L.H.
 3C-77-37 (BEFORE SERIAL NO. 5101 USE 3A-77-454)
 3C-77-38 INTERIOR MULLION S/A - REAR CENTER WINDOW - R.H.
 3C-77-39 (BEFORE SERIAL NO. 5101 USE 3A-77-445)
 3C-77-40 CAP - CENTER ROOF ABOVE WINDOWS
 3C-77-41 (BEFORE SERIAL NO. 5101 USE 3A-77-482)
 3C-77-42 CHANNEL - KICK PANEL LOWER RAIL
 3C-77-43 (BEFORE SERIAL NO. 5201 USE 3A-77-45)
 3C-77-44 Z-CHANNEL - R.H. DIAG. - REAR CROSS AT KICK PANEL
 3C-77-45 MOUNTING (BEFORE SERIAL NO. 5201 USE 3A-77-54)
 3C-77-46 MOTOR DOOR POST S/A - R.H. REAR UPPER
 3C-77-47 (BEFORE SERIAL NO. 5365 USE 3B-77-54)

MOTOR COACH INDUSTRIES

PART REAR UPPER FRAME ASSEMBLY

MODEL MC-5, MCC-5, MC-5A & MCC-5A

DATE February 4, 1966.

DRAWN BY

APPROVED

CH'K'D BY

SCALE

DRAWING No.
 3C-77-61

SECTION 6

Cooling System

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Blower Drive.....	6.06
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2010



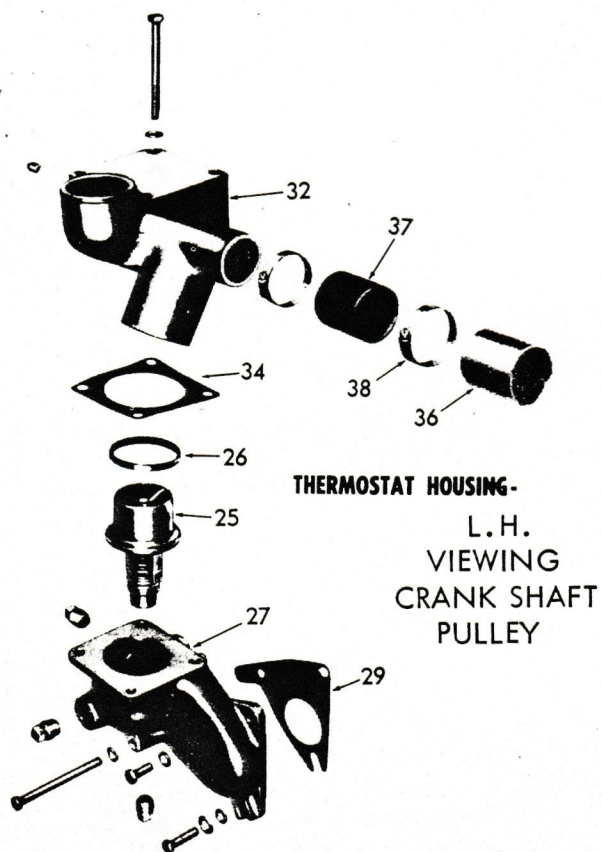
Challenger

PARTS MANUAL

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GROUP:	6.01		

MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
		* Effective Prior To Coach Unit No. 5467	
		** Effective With Coach Unit No. 5467	
		<u>RADIATOR</u> 6.0101	
	6B-1-1	Radiator Assembly - L.H. & R.H.	2
	6B-1-2	Radiator Mountings	4
	3B-37-36	Plate - Radiator Mounting	4
	6C-1-2	Pad - Radiator Support	4
		<u>RADIATOR SEALING CHANNELS</u>	
	3C-37-17	Radiator Seal S/A - L.H. Front Complete	1
	3C-37-18	U-Channel - Rubber Retainer	1
	3C-37-19	Angle - Seal Mounting	1
	3C-37-20	Rubber Seal - 1 3/4" Wide	1
	3C-37-21	Radiator Seal S/A - R.H. Front Complete	1
	3C-37-22	Angle - Mounting	1
	3C-37-18	U-Channel - Rubber Retainer	1
	3C-37-20	Rubber Seal - 1 3/4" Wide	1
	3C-37-23	Radiator Seal S/A Rear Channel L.H. & R.H.	2
	3C-37-24	Channel Only	2
	3C-37-25	Rubber Only	2
		<u>RADIATOR SHUTTERS</u> 6.0201	
	6C-2-9	Shutter Assembly - L.H. Radiator	1
*	6B-2-2	Shutter Assembly - R.H. Radiator	1
**	6C-2-10	Shutter Assembly - R.H. Radiator	1
	6B-2-53	Frame Assy. - L.H.	1
	6B-2-19	Frame Assy. - R.H.	1
	6B-2-16	Bushing	18
	6B-2-10	"E" Retaining Ring	18
	6B-2-51	Angle Assy. - Bottom L.H.	1
	6B-2-18	Angle Assy. - Bottom R.H.	1
	6B-2-52	Angle Assy. - Top L.H.	1
	6B-2-50	Angle Assy. - Top R.H.	1
	6B-2-49	Control Bar Assy. - L.H.	1
	6B-2-14	Control Bar Assy. - R.H.	1
	6B-2-11	Vane Assy. - L.H.	8
	6B-2-12	Vane Assy. - R.H.	8
	6B-2-55	Vane Assy. - L.H. Front	1
	6B-2-54	Vane Assy. - R.H. Front	1
	6B-2-56	Vane Seal	9
	6B-2-9	Spring	2
	6B-2-7	Control Rod Assy.	1
	6B-2-38	Seal - L.H. Shutter - Rear	1
	6B-2-41	Seal - R.H. Shutter - Rear	1



Exploded view diagram of a thermostat housing assembly. The components are numbered as follows:

- 38: Upper housing cover
- 37: Upper O-ring
- 36: Upper nut
- 33: Upper bolt
- 34: Upper gasket
- 26: Upper O-ring
- 25: Upper nut
- 30: Lower housing cover
- 28: Lower housing body
- 27: Lower O-ring
- 26: Lower O-ring
- 25: Lower nut
- 24: Lower bolt
- 23: Lower O-ring
- 22: Lower O-ring
- 21: Lower O-ring
- 20: Lower O-ring
- 19: Lower O-ring
- 18: Lower O-ring
- 17: Lower O-ring
- 16: Lower O-ring
- 15: Lower O-ring
- 14: Lower O-ring
- 13: Lower O-ring
- 12: Lower O-ring
- 11: Lower O-ring
- 10: Lower O-ring
- 9: Lower O-ring
- 8: Lower O-ring
- 7: Lower O-ring
- 6: Lower O-ring
- 5: Lower O-ring
- 4: Lower O-ring
- 3: Lower O-ring
- 2: Lower O-ring
- 1: Lower O-ring

**THERMOSTAT HOUSING-
R.H.
VIEWING
CRANK SHAFT
PULLEY**



Challenger

PARTS MANUAL

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SECTION:	6 - COOLING		
GROUP:	6.03/.04		

KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>FRESH WATER PUMP</u> 6.0301	
	5130960	Pump Assembly - Fresh Water - Including following items:	1
1	5117998	Body - Fresh Water Pump Includes following seal	1
3	5117983	Seal - Fresh Water Pump Shaft Bearing Oil	1
5	5117950	Cover - Fresh Water Pump Body	1
	103320	Lockwasher - 5/16 - Pump Body	5
	121917	Nut - 5/16 - 24 - Pump Body	5
6	5117975	Gasket - Fresh Water Pump Body Cover	1
2	5117847	Stud - 5/16 - 18 x 1.06" - Pump Body	5
7	5123150	Shaft Assy. - Fresh Water Pump	1
8	903204	Bearing - Fresh Water Pump - Inner	1
9	903304	Bearing - Fresh Water Pump - Outer	1
10	274746	Lock Ring - Outer Bearing	1
	5197279	Replacement Kit - Fresh Water Pump Seal - Includes Ceramic Insert and Adhesive As Req'd	
11	5123183	Impeller Assy. - Fresh Water Pump	1
12	120395	Washer - 7/16 Flat	1
13	5117972	Nut - 7/16 - 20 Hex. Lock	1
14	5130959	Seal Assy. - Fresh Water Pump	1
15	5126840	Gear - Fresh Water Pump Drive (42 Teeth)	1
18	5117962	Ring, Seal - Fresh Water Pump .139" x 5.109" I.D.)	1
4	5115214	Plug - 1/2" Pipe	1
20	179862	Bolt - 7/16 - 14 x 1 1/2	2
21	186292	Bolt - 7/16 - 14 x 4 1/4	1
	103342	Washer - 7/16 Flat	1
	103322	Lockwasher - 7/16	3
	5197157	Reconditioning Kit - Fresh Water Pump Includes : 5117962, Seal Ring, 903204 Bearing, 903304 Bearing, 5123183 Impeller, 5117975 Gasket, 5123150 Shaft, 5117983 Seal, 5130959 Seal Assembly.	
		<u>THERMOSTAT HOUSING</u> 6.0401	
plate 8-38			
27	5117997	Housing Only - Thermostat - L.H. - Viewing Crank Shaft Pulley	1
28	5117546	Housing Only - Thermostat - R.H. - Viewing Crank Shaft Pulley	1
	179839	Bolt - 3/8 - 16 x 1"	2
	186628	Bolt - 3/8 - 16 x 1 1/4"	2
	191249	Bolt - 3/8 - 16 x 3 3/4"	1
	186285	Bolt - 3/8 - 16 x 4"	1
	116103	Washer - 3/8 Copper	4
	103341	Washer - 3/8 Flat	2
	103321	Lockwasher - 3/8	2
	5115214	Plug - 1/2" Pipe As Req'd	
29	5117993	Gasket - Thermostat Housing to Cylinder Head - L.H.	1

Challenger**PARTS MANUAL**

MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 3-38		<u>THERMOSTAT HOUSING (Cont'd)</u> 6.0402	
30	5117438	Gasket - Thermostat Housing to Cylinder Head - R.H.	1
	103869	Plug - 3/4" Pipe	2
32	5124022	Cover - Thermostat Housing - L.H. - Viewing Crank Shaft	
		Pulley	1
33	5124021	Cover - Thermostat Housing - R.H. - Viewing Crank Shaft	
		Pulley	1
	444687	Plug - 1/8 Pipe	2
	186283	Bolt - 3/8 - 16 x 3 1/2 - Cover to Thermostat Housing	8
	103321	Lockwasher - 3/8	8
	5128234	Jiggle Pin - Thermostat Housing Cover	2
34	5117786	Gasket - Cover to Thermostat Housing	2
25	5119826	Thermostat	2
26	5132155	Seal - Thermostat - In Housing Cover	2
	5164007	Hose - 2 3/8" I.D. x 2 1/8" Long	2
	9139809	Clamp - 2 1/16" - 3" Dia.	2
	6B-4-1	Adapter Housing - R.H. Thermostat - View Crank Shaft Pulley	1
		<u>WATER BY-PASS TUBE</u>	
36	5117989	Tube - Water Bypass	1
37	5117994	Hose - 1 3/4 I.D. x 2" Long	2
38	5186841	Clamp - 1 9/16 I.D. x 2 1/2	4

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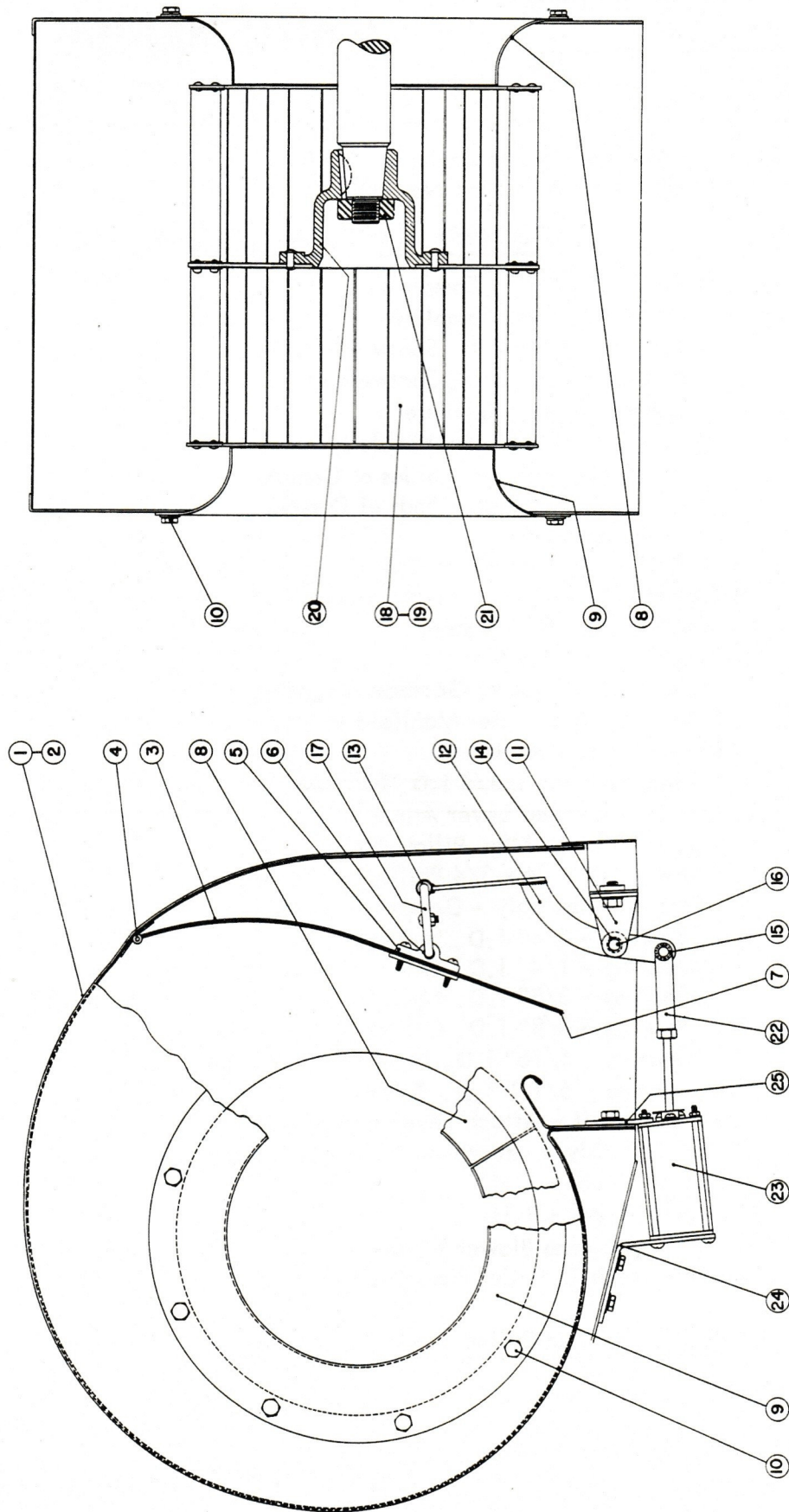


PLATE 6 - 21: BLOWERS & DAMPER ASSEMBLY

6 - COOLING SYSTEM

SECTION

6.05

GROUP

MODEL MC-5A

Challenger**PARTS MANUAL**

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 6-21		* Effective Prior to Unit No. 6891 ** Effective With Unit No. 6891	
		<u>BLOWERS AND DAMPER ASSEMBLY</u> 6.0501	
	6C-5-1	Scroll S/A - L.H., Complete	1
	6C-5-2	Scroll S/A - R.H. Complete	1
1	6C-5-3	Housing S/A - L.H. Spotwelded	1
2	6C-5-4	Housing S/A - R.H. Spotwelded	1
3	6C-5-10	Damper S/A - Complete	2
	6C-5-11	Damper S/A - Spotwelded	2
	6C-5-63	Featheredge - Sides of Damper	4
7	6C-5-42	Featheredge - Ends of Damper	2
4	6C-5-14	Hinge Only	2
	N.P.N.	Rubber U-Channel	2
9	6B-5-36	Ring - Inlet - Outer	2
8	6B-5-37	Ring - Inlet - Split, Inner	2
10	N.P.N.	Bolt - 1/4 - 28 x 3/4	36
	6A-6-117	Plate - Shim, Blower Gearbox Mounting	6
	6C-8-44	Plate - Closing Water Manifold at Floor	2
5	6C-5-15	Pillow Block Assembly	2
6	4N6	Bearing Only - 1/4 I.D. Nylined	2
11	6C-5-28	Bracket - Damper Lever Arm Pivot	2
26	6C-5-38	Tapping Plate - Mtg. Pillow Block	2
	N.P.N.	Screw - #10 - 24 x 3/4 Phillips Truss Head	4
12	6F-5-33	Lever Arm Assembly - Damper Control	2
13*	4N6	Bearing - 1/4" I.D. Nylined	2
13**	6F-5-39	Bearing - 1/4" I.D. Oilite	2
14*	6N8	Bearing - 3/8" I.D. Nylined	2
14**	6F-5-38	Bearing - 3/8" I.D. Oilite	2
15*	5N7	Bearing - 5/16" I.D. Nylined	2
15**	3F-29-299	Bearing - 5/16" I.D. Oilite	2
16	6C-5-31	Shoulder Bolt - Attach Lever Arm to Bracket	2
17	6F-5-30	Link Assembly - Lever Arm to Damper Pillow Block	2
18	6B-5-12	Blower Wheel - L.H.	1
19	6B-5-13	Blower Wheel - R.H.	1
21	6C-5-60	Nut - Retaining Blower Wheels	2
22	3C-29-60	Clevis - Air Cylinder Piston Rod	2
(NOTE: For Air Cylinder Assy. See Group 6.10)			

Technical drawing of a mechanical assembly in cross-section. The assembly features a central horizontal shaft with a rotating component (1) and a vertical shaft (7) with a rotating component (14). The assembly is mounted on a base (2) and includes various seals (13, 14, 15, 16, 17, 18) and fasteners (3, 4, 5, 6, 11, 12). The drawing is labeled with numbers 1 through 20.

PLATE 6-16: BLOWER DRIVE GEAR BOX

Challenger**PARTS MANUAL**

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 6-16		<u>GEAR BOX ASSEMBLY</u> 6.0601	
	68-6-37	Gear Box Assembly - 84° Bevel Gear Unit	1
1	63-6-39	Housing	1
	63-6-40	Housing Cover Gasket	1
2	63-6-41	Housing Cover - Less Dipstick Check	1
	63-6-70	Dipstick Tube Assembly	1
	63-6-71	Tube Only	1
	63-6-72	Fitting - On Flared Tube	1
	63-6-73	Adapter - Fasten to Housing Cover	1
	63-6-74	Dipstick Only	1
3	63-6-42	Bearing Carrier	1
4	63-6-43	Bearing Carrier Gasket	3
5	63-6-45	Shaft Cover - Live End Input	1
5	63-6-45	Shaft Cover - Live End Output	2
6	63-6-46	Shaft Cover Gasket	3
7	63-6-48	Shaft - Input	1
8	63-6-49	Shaft - Output	1
12	63-6-51	Spiral Bevel Pinion	1
11	63-6-52	Spiral Bevel Gear	1
10	63-6-53	Spacer Output	1
13	63-6-55	Cone Bearing	4
	63-6-56	Cup Bearing	4
16	63-6-58	Snap Ring - Truarc - Ext. 5100-137	1
14	63-6-60	O Ring - Garlock 2 5/8 I.D. x 2 7/8 O.D.	3
17	63-6-61	O Ring - Garlock 3 3/4 I.D. x 4 O.D.	1
15	63-6-62	Oil Seal - (Output) Garlock 1 3/8 x 2 1/16 x 1/4 Wide	2
15	63-6-62	Oil Seal - (Input) Garlock 1 3/8 x 2 1/16 x 1/4 Wide	1
20	63-5-58	Nut - Input & Output Shafts - Retaining Blower Wheels	3
19	63-6-64	Key - Input 1/4 x 1/4 x 1 3/16" Long	1
19	63-6-64	Key - Output 1/4 x 1/4 x 1 3/16" Long	1
	63-6-66	Relief Fitting (Alemite 1/4 Pipe Thread)	1
	63-6-67	Flexible Elastoplastic Cap	1
18	N.P.N.	Phillips Truss Head Screws - 5/16 - 18 x 3/4 Long	4
	N.P.N.	Button Head Socket Screws ("Unbrako" with Nylock) - 5/16 - 18 x 7/8 Long	12
	N.P.N.	Nameplate - 1 1/2 x 1 3/4 x 22 Ga. (.025 Brass)	1
	N.P.N.	Socket Head Capscrews - ("Unbrako" with Nylock) - 3/8 - 16 x 1" Long	4
	N.P.N.	Pin - For Nameplate - (13 x 1/4" Long)	4
	N.P.N.	#12-24 NC 2A x 1/4" Hex. Socket Set Screw	2
	N.P.N.	Nameplate - 1 1/2 x 1 3/4 x 22 Ga. (.025 Brass)	1

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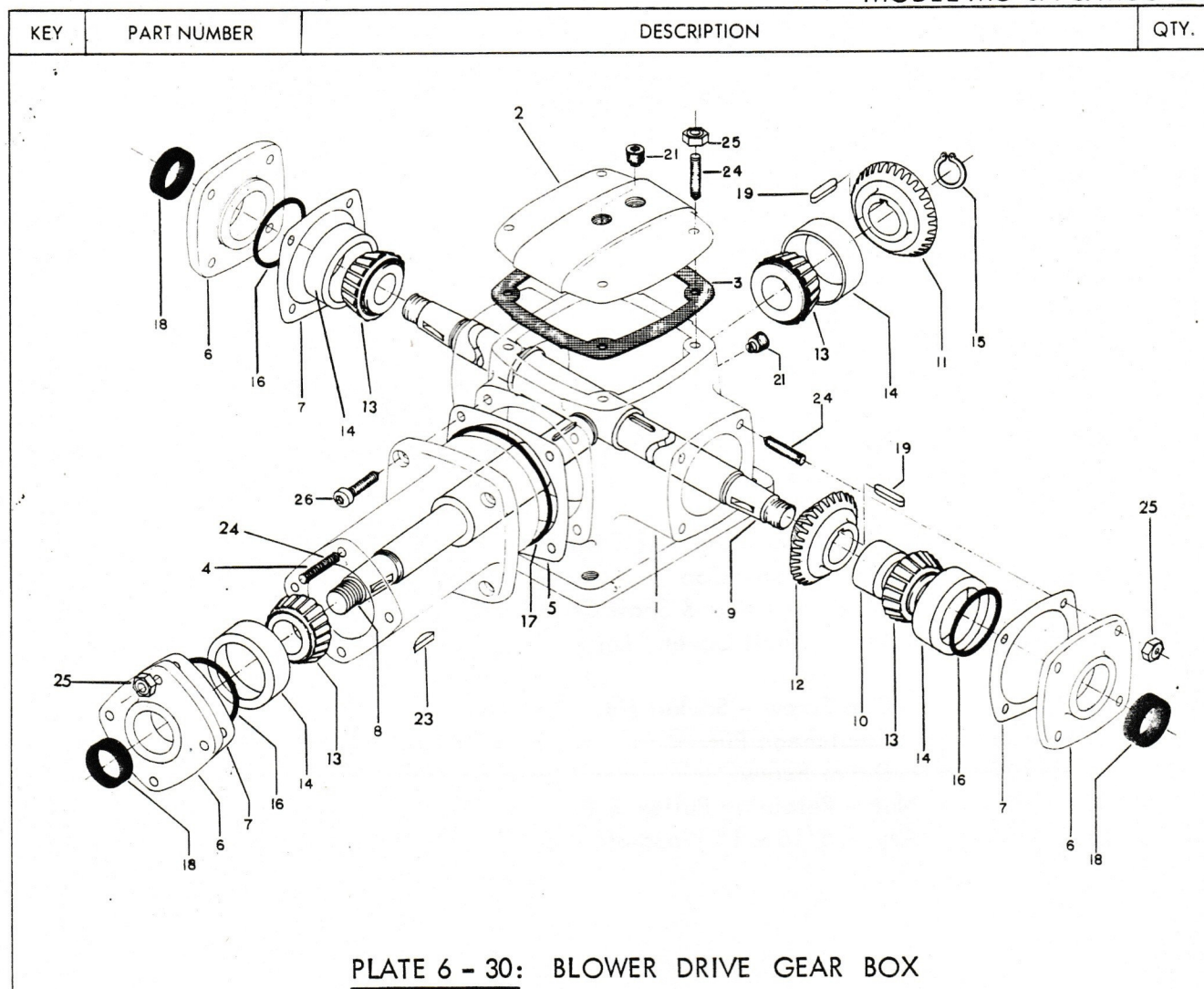


PLATE 6 - 30: BLOWER DRIVE GEAR BOX

Plate	BLOWER DRIVE GEAR BOX		
6-30			
	6C-6-115	Gear Box Assy. - Blower Drive	1
1	6C-6-116	Housing	1
2	6C-6-117	Housing Cover	1
3	6B-6-40	Housing Gasket	1
4	6C-6-118	Bearing Carrier	1
5	6B-6-43	Shim - Bearing Carrier (.002)	A.R.
5	6B-6-77	Shim - Bearing Carrier (.004)	A.R.
5	6B-6-78	Shim - Bearing Carrier (.0075)	A.R.
5	6B-6-79	Shim - Bearing Carrier (.015)	A.R.
6	6C-6-123	Shaft Cover	3
7	6B-6-46	Shim - Shaft Cover (.002)	A.R.
7	6B-6-80	Shim - Shaft Cover (.004)	A.R.
7	6B-6-81	Shim - Shaft Cover (.0075)	A.R.
7	6B-6-82	Shim - Shaft Cover (.015)	A.R.
8	6B-6-48	Input Shaft	1
9	6B-6-49	Output Shaft	1

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Challenger**PARTS MANUAL**

MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 6-30		<u>BLOWER DRIVE GEAR BOX (Cont'd)</u>	
10	6B-6-53	Spacer - Output	1
11	6B-6-51	Spiral Bevel Pinion	1
12	6B-6-52	Spiral Bevel Gear	1
13	6B-6-55	Bearing Cone	4
14	6B-6-56	Bearing Cup	4
15	6B-6-58	Snap Ring	1
16	6B-6-60	"O" Ring - Shaft Cover (2 5/8 I.D. x 2 7/8 O.D.)	3
17	6B-6-61	"O" Ring - Bearing Carrier (3 3/4 I.D. x 4 O.D.)	1
18	6B-6-62	Oil Seal - Output & Input (1 3/8 x 2 1/16)	3
19	6B-6-64	Key - Input & Output (1/4 sq. x 1 3/16 Long)	2
	6B-6-66	Relief Fitting	1
21	6C-6-134	Pipe Plug	2
	6F-6-18	Pipe Plug (Magnetic) Drain	1
	6B-6-67	Elastoplastic Cap	1
24	6C-6-135	Stud - Housing & Shaft Covers	14
24	6C-6-136	Stud - Shaft Cover (Long)	2
25	6C-6-137	Stop Nut	16
26	N.P.N.	Cap Screw - Socket Hd., 3/8 - 16 x 1	4
	6C-6-138	Escutcheon Pin	4
	6C-6-139	Drive Screw	2
	6C-5-60	Nut - Retaining Pulley & Blower Wheels	3
23	N.P.N.	Key - 5/16 x 1" Woodruff "B"	3



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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>FILLER TUBE AND SIGHT GAUGE ASSEMBLY</u> 6.0602	
		* Effective Prior To Coach Unit No. 5461	
		** Effective With Coach Unit No. 5461	
		+ Effective Prior To Coach Unit No. 5773	
		++ Effective With Coach Unit No. 5773	
++	6C-6-15	Tube - Blower Gearbox Oil Filler	1
**+	6C-6-30	Tube S/A - Blower Gearbox Oil Filler	1
++	6C-6-105	Tube S/A - Blower Gearbox Oil Filler	1
	N.P.N.	Pipe Elbow - Filler Tube to Gearbox	1
+	6C-6-16	Bracket - Mounting Filler Tube	1
+	6C-6-17	Spacer - Under Mtg. Brkt.	1
+	N.P.N.	Clip - Mtg. Tube to Brkt. - 900729-4 Aeroquip	1
+	N.P.N.	Cap Screw - 1/4 - 20 X 3/4 Mtg. Clip to Brkt.	1
+	N.P.N.	Nut - 1/4 - 20 Hex.	1
+	N.P.N.	Lockwasher - 1/4	1
+	N.P.N.	Clip - Mtg. Chain to Tube	1
+	N.P.N.	Machine Screw - #10-24 X 3/4 Mtg. Clip to Tube	1
+	N.P.N.	Nut - #10 - 24 Hex.	1
+	N.P.N.	Flat Washer - #10	1
+	N.P.N.	Cap Screw - 5/16 - 18 X 1 1/4 Mtg. Collar	1
+	N.P.N.	Lockwasher - 5/16	1
*	6C-6-18	Cap S/A - C/W Attaching Cable for Gearbox Oil Filler Tube	1
**	11C-7-17	Cap S/A - C/W Attaching Cable for Gearbox Oil Filler Tube	1
	6C-6-22	Hose S/A - Sight Gauge to Blower Gear Box	1
	6C-6-23	Hose Only - Sight Gauge to Blower Gearbox	1
	N.P.N.	Inverted Flare Fitting (190630-6)	2
	N.P.N.	Elbow - 436 X 6. Oil Line Hose to Blower Gearbox	1
	6C-6-24	Oil Sight Gauge S/A - Complete for Blower Gearbox	1
	6C-6-14	Casting Only - Oil Sight Gauge	1
	6C-6-25	Oil Level Indicator Glass - Blower Gearbox	1
	6C-6-26	Gasket - Outer Blower Gearbox Sight Gauge	1
	6C-6-27	Gasket - Inner Blower Gearbox Sight Gauge	1
	6C-6-28	Gland - Retaining Sight Glass	1
	10C-2-2	Hose - For Blower Gearbox Oil Sight Gauge	1
	N.P.N.	Tee - 3750 X 4 Hose to Top of Gearbox	1
	N.P.N.	Male Connector - Hose to Sight Gauge	1

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KEY	PART NUMBER	DESCRIPTION	QTY.
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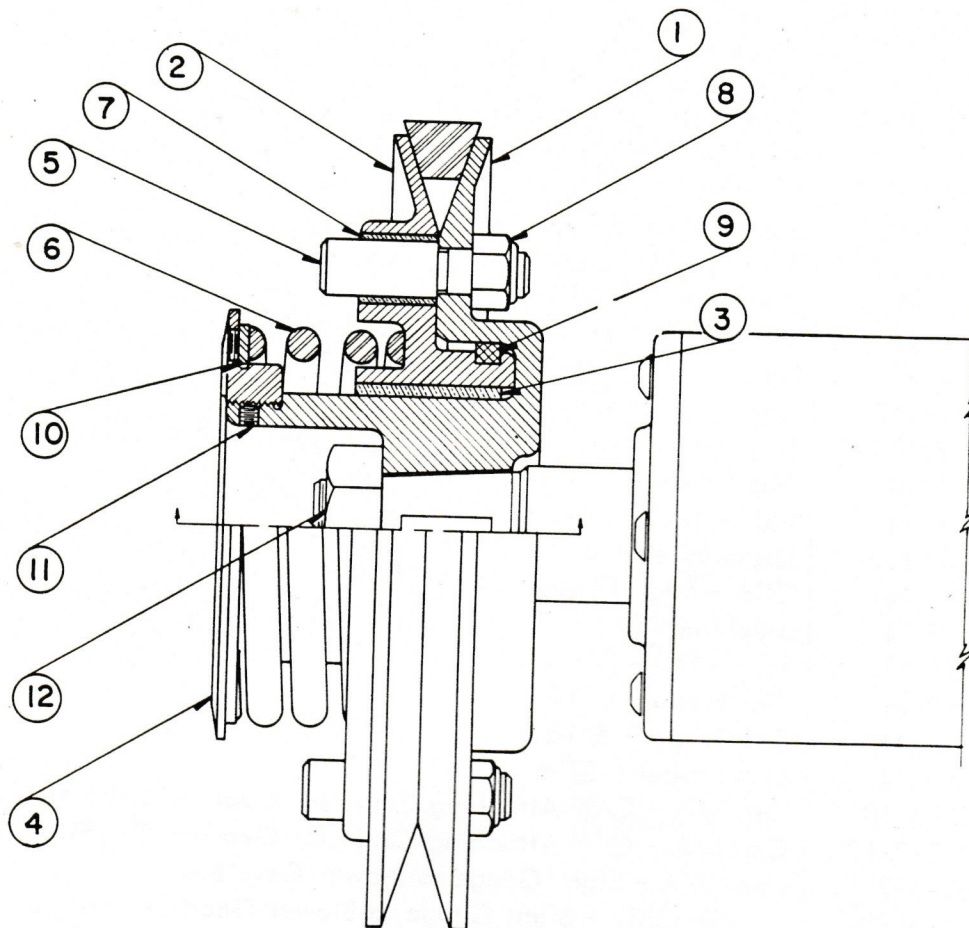
**PLATE 6 - 24: BLOWER PULLEY ASSEMBLY**

Plate 6-24		<u>PULLEY ASSEMBLY</u>	
		Effective Prior To Coach Unit No. 5578	
		Pulley Assembly - Self Adjusting Blower Drive	
1	6C-6-4	Hub - Fixed	1
2	6C-6-2	Pulley - Sheave Sliding Assembly	1
3	6B-6-4	Bushing - Large	1
4	6C-6-6	Collar - Threaded Pulley Assembly	1
5	6C-6-8	Pin - Guide Blower Pulley	1
6	6C-6-7	Spring Only	6
7	6A-6-143	Bearing	1
8	N.P.N.	Esna Lock Nut - 1/2" N.F.	6
9	N.P.N.	Seal - 1/4 X 1/4 Square Felt	6
10	6C-6-10	Shim Washer - Threaded Collar - Self Adjusting Blower Pulley	1
11	N.P.N.	Set Screw - #12 - 24 N.C. 2A Hex. Socket	1
12	6C-5-60	Nut - Retaining Pulley to Gear Box Drive Shaft	2
			1

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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
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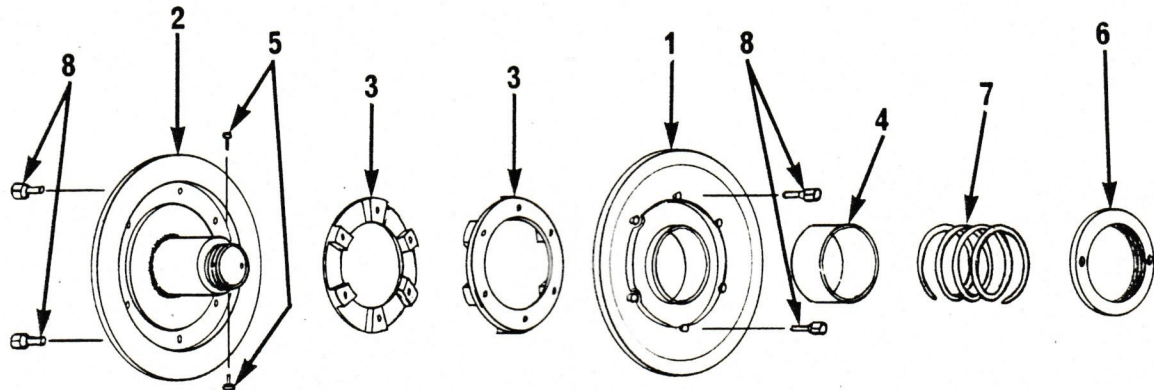


PLATE 6 - 28: BLOWER PULLEY ASSEMBLY

Plate 6-28		<u>PULLEY ASSEMBLY</u> Effective With Coach Unit No. 5578.	
	6C-6-79	Pulley Assembly - Segmented Drive	1
2	6C-6-81	Sheave Only - Fixed	1
1	6C-6-80	Sheave Only - Sliding	1
4	6B-6-4	Bushing - Large	1
3	6C-6-82	Insert - Drive Segments	2
6	6C-6-6	Collar - Spring Retainer	1
7	6C-6-83	Spring	1
5	N.P.N.	Set Screw - #10 - 24 X 1/4"	2
8	7B-3-17	Screw	12

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MODEL MC-5A & MCC-5A

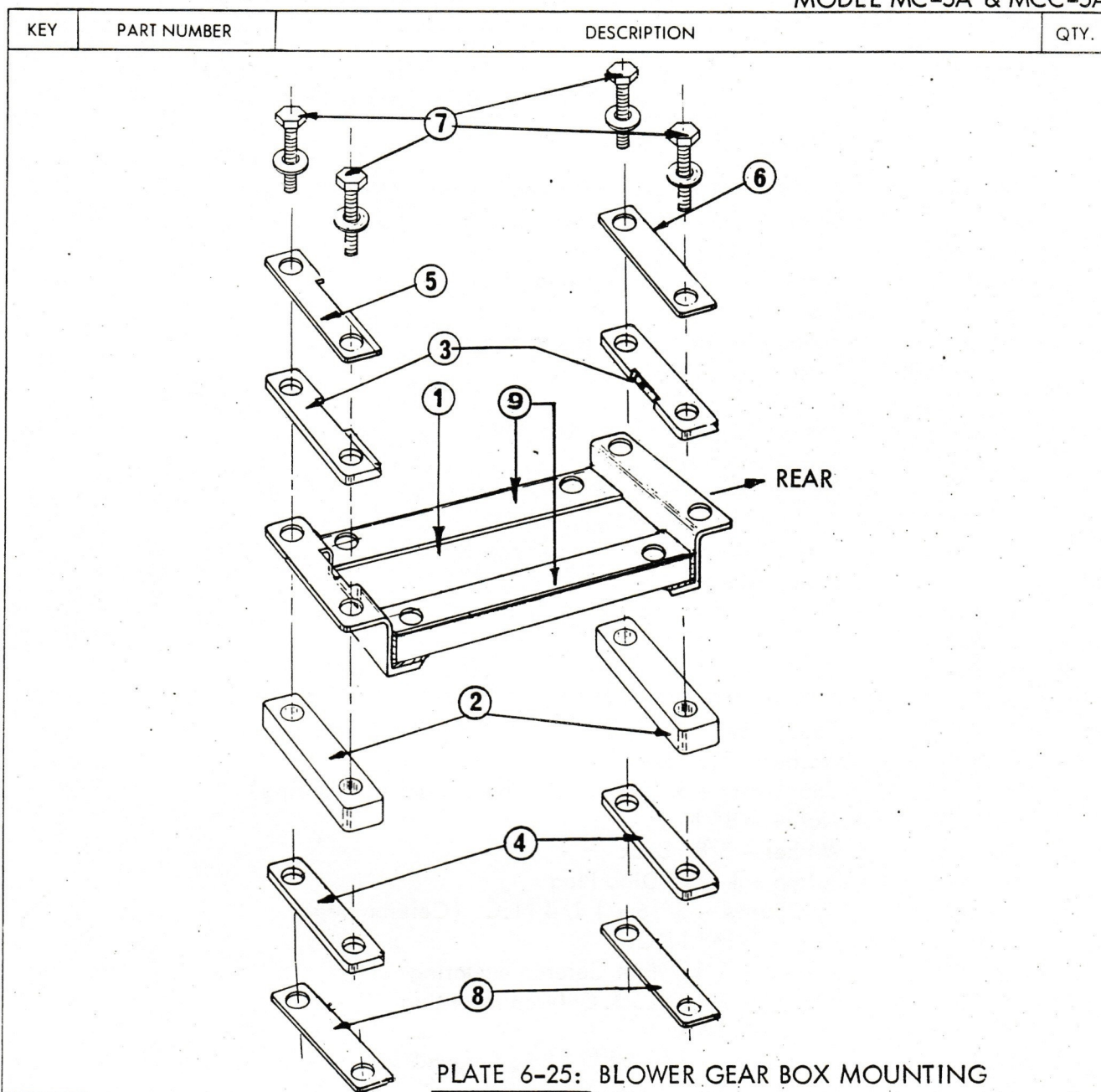


Plate	GEAR BOX MOUNTING		
6-25	Effective Prior to Coach Unit No. 5578		
7	6C-6-3	Shoulder Bolt - Mounting Gear Box to Housing	4
6	6A-6-123	Top Plate - Rubber Retainer	1
5	6C-6-12	Top Plate - Notched - Rubber Retainer	1
3	6A-6-139	Upper Spacer (Rubber) Notched	2
2	6A-6-138	Center Spacer (Rubber)	2
4	6A-6-140	Lower Spacer (Rubber)	2
8	6A-6-124	Bottom Plate - Rubber Retaining	2
1	6A-6-112	Base S/A - Blower Gear Box Mounting	1
9	6A-6-117	Shim - Blower Gear Box Mounting Base	A.R.

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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>GEAR BOX MOUNTING BASE</u>	
		Effective With Coach Unit No. 5578	
	6C-6-79	Blower Pulley Assy. - (self-adjusting segmented drive)	1
	6C-6-84	Bracket - Gear Box mounting base	1
	6C-6-85	Saddle - Gear Box mounting	1
	6C-6-93	Washer - Rubber mount retaining	4
	6C-6-103	Mount - Rubber	4
	6C-6-86	Bracket - Adjusting screw mounting	1
	6C-6-140	Screw - Adjusting	2
	N.P.N.	Lock Nut - 1/2 - 20	2
	6C-6-141	Plate - Retainer, Gear Box Mtg.	1
	N.P.N.	Stop Nut - Gear Box	2
	6C-6-142	Decal - Gear Box Adjusting Instructions	1
	6C-6-109	Collar - (for adjusting screws)	4
	6C-6-102	Plate - Blower Gear Box Adjusting	1
	6C-6-87	Plate - Celeron closing	1
	N.P.N.	Washer - 1/4" Flat	11
	N.P.N.	Washer - 1/4" Lock	11
	N.P.N.	Cap Screw - 1/4 x 3/4 N.F. (gear box bracket)	10
	N.P.N.	Nut - 1/4" N.F.	11
	N.P.N.	Cap Screw - 1/2 x 2 1/2 N.F. (saddle mounting)	4
	N.P.N.	Washer - 1/2" Lock	4
	N.P.N.	Cap Screw - 3/8 x 1 N.F. (adj. bracket mounting)	2
	N.P.N.	Nut - 3/8" N.F.	2
	N.P.N.	Washer - 3/8" Lock	2
	N.P.N.	Button - 1 1/2" Dia. Plug	1
	N.P.N.	Cap Screw - 5/16 x 1 1/4 N.C. (Celeron mtg.)	3
	N.P.N.	Nut - 5/16" N.C.	3
	N.P.N.	Washer - 5/16" Flat Celeron mounting	3
	N.P.N.	Washer - 5/16" Lock Celeron mounting	3
	7C-12-150	Strap - Ground	1
	N.P.N.	Cap Screw - 1/4 x 1/2 N.F. (ground strap mtg.)	1
	6C-6-61	Rod & Plate Assembly	2
	3C-77-62	Plate - Reinforcing	2
	6C-6-64	Eye Bolt & Washer Assembly	2
	6C-6-66	Washer - (eye bolt mounting)	2
	N.P.N.	Clevis - 3/8 x 3/8 x 2 1/2	2
	N.P.N.	Pin - Clevis - 1"	2
	N.P.N.	Nut - 3/8 N.F. Jam (Clevis Mounting)	2
	N.P.N.	Cap Screw - 5/16 x 1 N.F. - Reinforcing Plate & Rod Mounting	4
	N.P.N.	Nut - 5/16" N.F.	4
	N.P.N.	Washer - 5/16" Lock Celeron Mounting	7

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MODEL MC-5A & MCC-5A

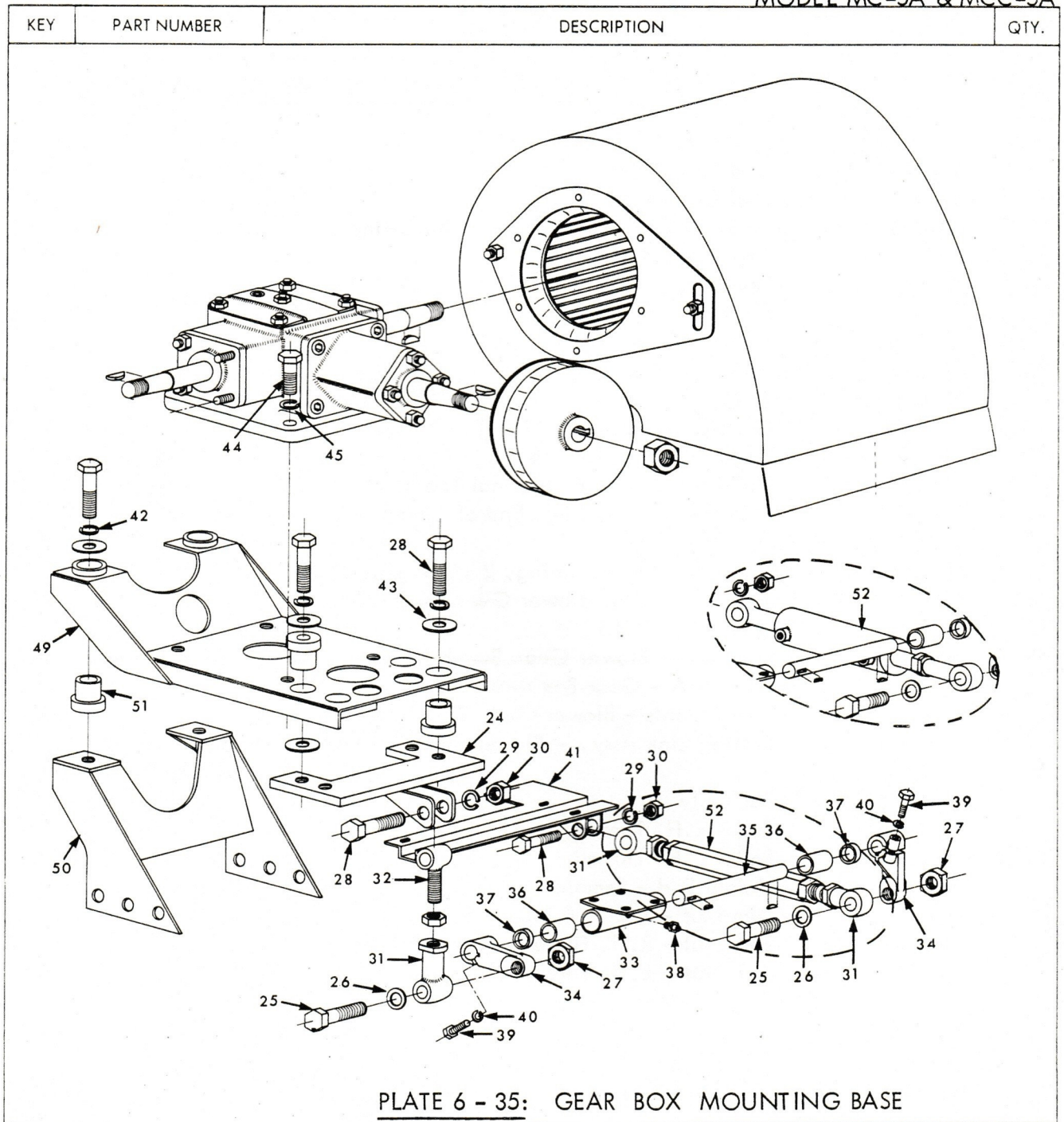


PLATE 6 - 35: GEAR BOX MOUNTING BASE

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 6-35		BLOWER GEAR BOX MOUNTING BASE 6.0607	
		Effective with Unit No. 6883	
24	6F-6-10	Adjusting Plate S/A - Blower Gear Box Mtg.	1
25	N.P.N.	Cap Screw - Mtg. Adjusting Link End, 1/2 - 20 x 1 3/4	2
26	N.P.N.	Flat Washer - 1/2 Stl. Cad. Pl.	2
27	N.P.N.	Esna Nut - # 21 NF - 080	2
23	N.P.N.	Cap Screw - 1/2 - 20 x 1 1/2, Stl. Cad. Pl.	8
29	N.P.N.	Lockwasher - 1/2 Med. Spring Stl. Park.	2

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KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 6-35		BLOWER GEAR BOX MOUNTING BASE (Cont'd) 6.0608	
30	N.P.N.	Nut - 1/2 - 20 Hex. Stl. Cad. Pl.	2
31	5B-5-12	Unibal End - Female	3
32	5B-5-52	Unibal End - Male	1
	6F-6-3	Cross Shaft Assy. - Blower Belt Adjusting	1
33	6F-6-19	Base Plate & Tube S/A	1
34	6F-6-8	Lever	2
35	6F-6-4	Shaft	1
	N.P.N.	Woodruff Key - # 506 Steel	2
36	6F-6-22	Bushing	2
37	6F-6-23	Seal	2
38	N.P.N.	Grease Fitting - 1/8 N.P.T.	1
39	N.P.N.	Cap Screw - 5/16 - 18 x 1"	2
40	N.P.N.	Lockwasher - 5/16" Internal Tooth	2
41	6F-6-24	Hat Channel S/A - Mtg. End of Link	1
42	N.P.N.	Lockwasher - 1/2"	6
43	6C-6-93	Washer - Rubber Retaining, 2 1/16" O.D.	6
44	N.P.N.	Cap Screw - Mtg. Blower Gear Box, 7/16 x 1 1/2	4
45	N.P.N.	Lockwasher - 7/16	4
49	6C-6-85	Saddle S/A - Blower Gear Box Mtg.	1
50	6C-6-84	Bracket S/A - Gear Box Mtg. Base	1
51	6C-6-103	Rubber Mounts - Blower Gear Box Saddle Mtg.	6
52	6F-6-34	Adjusting Link Assy. - Blower (See Following Page for Optional Air Cylinder)	1
	6F-6-33	Bar Only	1
	6F-6-35	Rod - R.H. Thread	1
	6F-6-36	Rod - L.H. Thread	1
	5B-5-12	Unibal End - Female	2
	N.P.N.	Jam Nut - 1/2 - 30 Hex.	2
	N.P.N.	Jam Nut - R.H. Thread, 1/2 - 13 Hex.	1
	N.P.N.	Jam Nut - L.H. Thread, 1/2 - 13 Hex.	1

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MODEL MC-5A & MCC-5A			

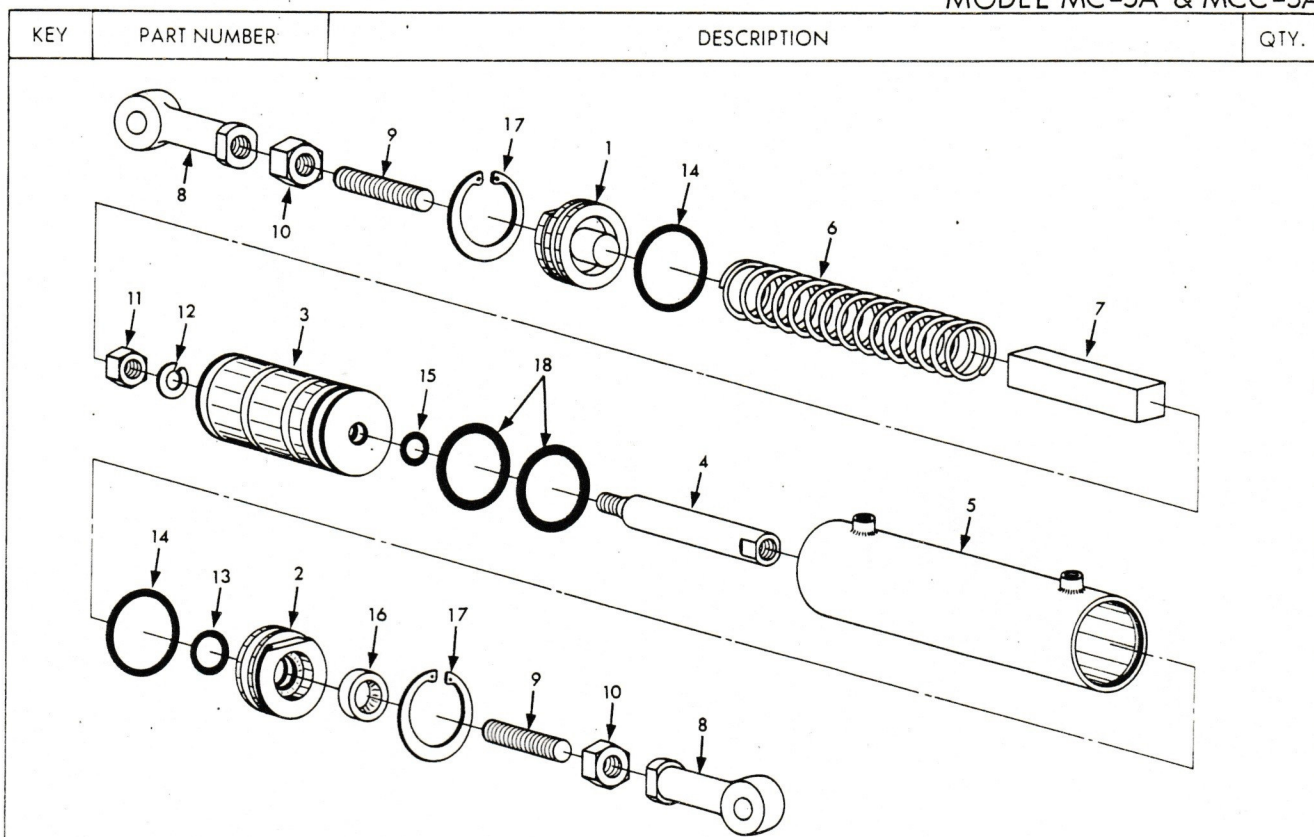


PLATE 6 - 34: BLOWER BELT ADJUSTING AIR CYLINDER

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 6-34		BLOWER BELT ADJUSTING AIR CYLINDER 6.0609	
		(Optional - Replaces 6F-6-34 Link)	
		Air Cylinder Assy. - Blower Belt Adjusting	1
1	6F-6-14	End Plate	1
2	8C-24-41	End Bushing	1
3	8C-24-33	Piston	1
4	8C-24-34	Shaft	1
5	8C-24-35	Cylinder	1
6	8C-24-36	Spring	1
7	8C-24-37	Felt Oiler	1
8	8C-24-40	Unibal End	2
9	5B-5-12	Stud	2
10	6F-6-21	Jam Nut - 1/2 - 20	2
11	N.P.N.	Nut - 7/16 - 20	1
12	N.P.N.	Lockwasher - 7/16	1
13	8C-24-46	"O" Ring	1
14	8C-24-47	"O" Ring	2
15	8C-24-49	"O" Ring	1
16	8C-24-48	Oil Seal	1
17	6F-10-11	Snap Ring	2
18	5B-5-37	Packing	2
	6F-6-38	Decal	1

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KEY	PART NUMBER	DESCRIPTION	QTY.
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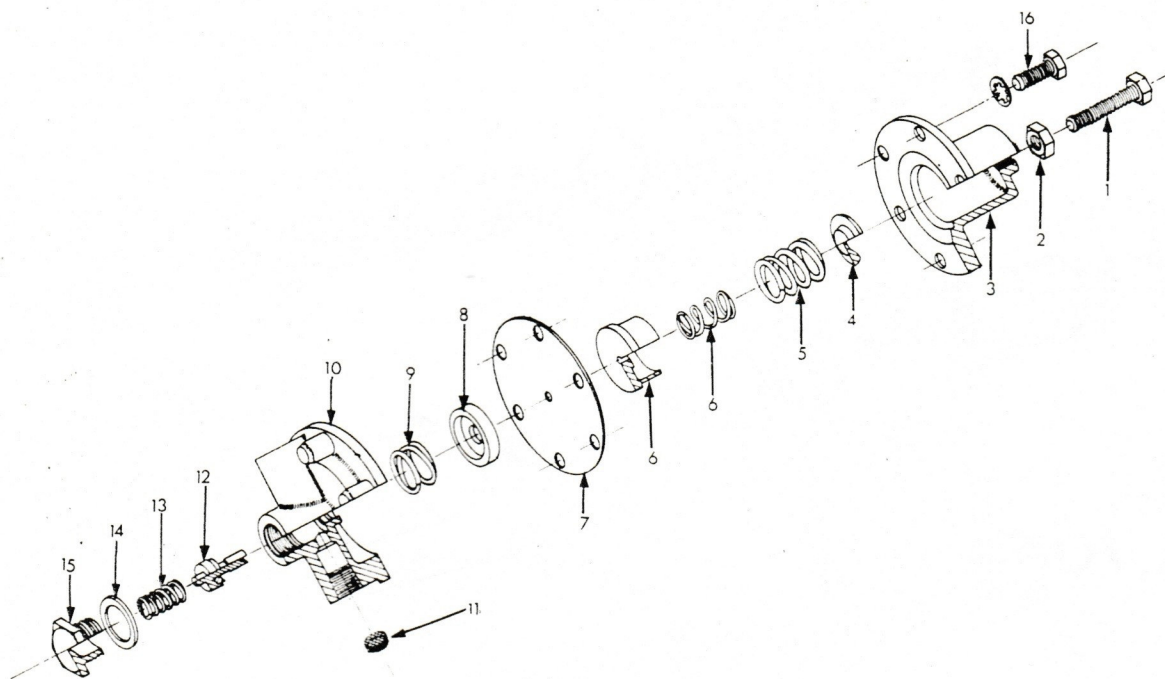


PLATE 12 - 16: PRESSURE REGULATING VALVE

Plate		PRESSURE REGULATING VALVE	6.0610	
12-16	4F-22-5	Valve Assy. - Pressure Regulating		1
1	12F-4-10	Cap Screw		1
2	12F-4-11	Jam Nut		1
3	12F-4-7	Cover		1
4	12F-4-4	Spring Button		1
5	12F-4-5	Spring - Outer		1
6	12F-4-6	Plate		1
7*	12F-4-12	Diaphragm		1
8	12F-4-13	Plate		1
9*	12F-4-14	Spring		1
10	12F-4-15	Body		1
11	12F-4-16	Screen		1
12*	12F-4-17	Poppet Stem		1
13*	12F-4-18	Spring		1
14*	12F-4-19	Gasket		1
15	12F-4-20	Cap		1
16	12F-4-8	Cap Screw		6
	12F-4-9	Mtg. Bracket		1
*	12F-4-33	Repair Kit - Includes Items Marked *		1
	4F-22-10	Valve Assy. - Air Cylinder Control		1
	4F-22-18	"O" Ring - Stem Seal to Body		2
	4F-22-19	"O" Ring - Stem Seal to Ports		2



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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>BLOWER PULLEY HOUSING</u> 6.0701	
		Effective Prior to Coach Unit No. 5578	
	6B-7-16	Blower Pulley Housing S/A - Complete	1
	6C-7-1	Housing S/A - Spotwelded	1
	6B-7-7	Rubber Seal - 31" long	1
	6C-7-5	Seal S/A - Oil Sight Gauge	1
	6C-7-6	Seal Only	1
	6C-7-7	Ring - Seal Retaining	1
	6C-5-57	Boot S/A - Blower Shaft	1
	6C-5-58	Flange - Outer	1
	6C-5-59	Flange - Inner	1
	6C-5-46	Boot Only	1
Plate 6-22		<u>PERRY WATER FILTER</u> 6.0801	
	6C-8-11	Filter Assembly - Engine Coolant System	1
1	6-8-44	Cover Bolt and Washer Assembly	2
2	6C-8-12	Cover	1
3	6-8-32	Gasket - Cover	1
4	6-8-36	Plate - Upper	1
5	6-8-88	Element - Filter - Standard	1
5	6-8-89	Element - Filter - Antifreeze	1
6	6-8-35	Plate - Lower Corrosion Resistant	1
7	6-8-92	Spring - Cylindrical	1
8	6C-8-13	Body	1
9	6C-8-14	Plug - Sump Drain	1
	6-8-45	Mounting Bolt and Nut Assembly	3
10	6-8-50	Indicator - Flow and Cond.	1
	6B-8-7	Mounting Bracket - Perry Water Filter	1

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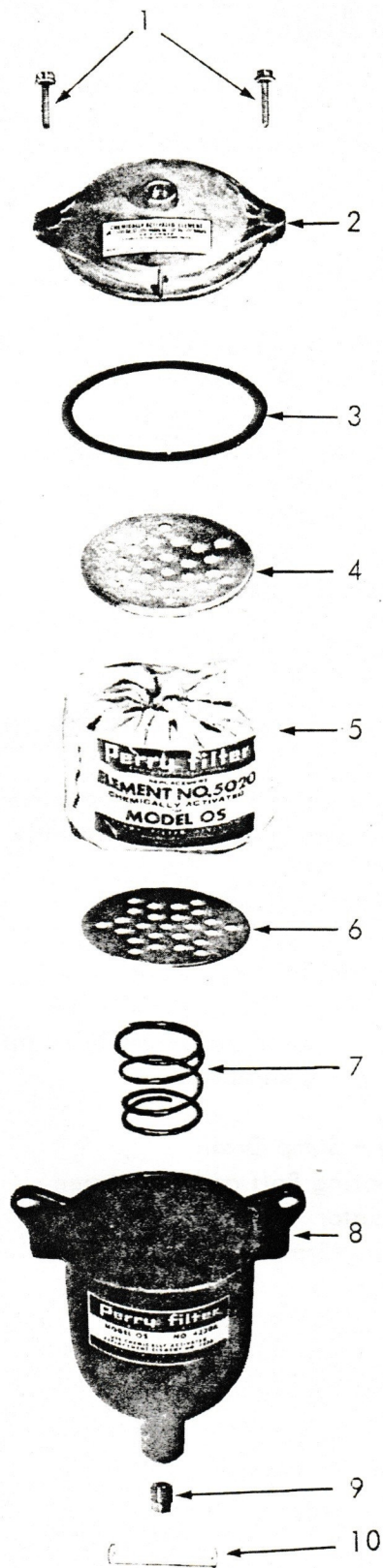


PLATE 6 - 22: ENGINE COOLANT FILTER



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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>WATER LINES & FITTINGS</u> 6.0803	
	6C-8-5	Hose S/A - Air Compressor Water Inlet to R.H. Central Heat Valve Feed Line	1
	N.P.N.	Male Elbow - 49 X 8 - On Compressor Water Inlet & Outlet	2
	N.P.N.	Male Connector - 48 X 4 - On R.H. Central Heat Line For Compressor Water Inlet	1
	6C-8-6	Hose S/A - Air Compressor Water Outlet - From Compressor Outlet to Central Heat Line	1
	N.P.N.	Male Connector - 48 X 8 - On Central Heat Return Pipe for Compressor Water Outlet Line	1
	N.P.N.	Male Elbow - 49 X 6 - Water Filter Inlet	1
	6C-3-45	Tube - Surge Tank Water Level Check - 1/4 X 19"	1
	N.P.N.	Male Connector - 168 X 4 - Surge Tank Water Level Check	1
	N.P.N.	Shut-Off Valve - 100 - R.D. Imperial - Surge Tank Water Level Check	1
	4C-20-51	Tube - Radiator Overflow - 3/8 X 40" Copper	1
	6C-8-29	Tube S/A - Driver's Heater Feed Line On Engine	1
	N.P.N.	Short Nipple - 1 1/2 X 1/2" P. Between Engine Thermostat Housing and Street Elbow	1
	N.P.N.	Street Elbow - 1/2" P. 3400 X 8 - Between Short Nipple and Globe Valve	2
	N.P.N.	Drain Cock - 135 - On Street Elbow	1
	N.P.N.	Gate Valve - 1/2 P. 410 - Between Street Elbow and Male Connector	1
	N.P.N.	Male Connector - 1/2 P. X 3/4 T #168 X 12 - Between Globe Valve and Tube S/A	1
	N.P.N.	Hose - 1 3/4 X 4" Rubber - Surge Tank to Surge Tank Pipe	4
	N.P.N.	Clamp - M 32	8
	6C-8-3	Pipe - Surge Tank Outlet - 1 3/4 X 11 1/2 - Between Surge Tank and Radiator	2
	6C-8-16	Pipe - Radiator Outlet R.H. Upper - 1 3/4 X 32 1/2 - Between Radiator and Lower Radiator Outlet Pipe	1
	N.P.N.	Hose - 1 3/4 X 4" Rubber - Between Upper and Lower Outlet Pipes	1
	N.P.N.	Clamp - M 32	2
	6C-8-15	Pipe - Radiator Outlet R.H. Lower - 1 3/4 X 27 1/4 - Between Upper Radiator Outlet Pipe and C/H Return Pipe	1
	N.P.N.	Hose - 1 3/4 X 5" Rubber - Between Lower Radiator Outlet Pipe & C/H Return Pipe	1
	N.P.N.	Hose - 1 3/4 X 8" Rubber Flex - Between C/H Return Pipe and R.H. Engine Inlet Pipe	1
	N.P.N.	Clamp - M 32	2

PARTS MANUAL

MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>WATER LINES & FITTINGS (Cont'd)</u> 6.0804	
	6B-8-10	Pipe S/A - Engine Water Inlet R.H. - Between C/H Return Pipe and Water Pump Inlet Pipe	1
	N.P.N.	Hose - 1 3/4 X 4" Rubber - Between R.H. Engine Water Inlet Pipe and Water Pump Inlet Pipe	1
	N.P.N.	Clamp - M 32	2
	N.P.N.	Hose - 1 3/4 X 5" Rubber - Radiator Outlet	2
	6B-8-12	Pipe S/A - Radiator Outlet L.H.	1
	6B-8-25	Tube Only - 1 3/4 X 34"	1
	6B-8-26	Tube Only - 3/4 X 2 1/4"	1
	N.P.N.	Hose - 1 3/4 X 4" Rubber	1
	N.P.N.	Clamp - M 32	1
	6B-8-6	Pipe S/A - Water Pump Inlet - Between R.H. & L.H. Inlet Pipe and Water Pump	1
	6B-8-8	Tee - 2 1/2 X 1 1/2 X 1 1/2 28530 Nibco	1
	N.P.N.	Elbow - 1 1/2 X 1 1/2 F X C 3355 45 deg. Mueller	1
	N.P.N.	Hose - 2 3/4 X 2" Rubber	1
	N.P.N.	Clamp - M 48	2
	6B-8-4	Pipe - Engine Water Outlet - 2 X 17 1/4"	2
	N.P.N.	Hose - Rubber Molds	2
	N.P.N.	Clamp - M 32	4
	N.P.N.	Hose - 2 1/4 X 2 3/8 Rubber	2
	N.P.N.	Clamp - M 40	4
	6B-8-1	Pipe - Between Engine Water Outlet Pipes and Surge Tank	1
	6B-8-2	Y-Casting	1
	6B-8-3	Elbow Casting	2
	6B-8-11	Pipe - Y-Extension	1
	N.P.N.	Hose - 2 1/2 X 6" Rubber	1
	N.P.N.	Clamp - M 48	2
	6B-8-18	Fitting S/A - Between Engine and R.H. C/H Water Valve Pipe	1
	6C-8-41	Pipe S/A - Between Ftg. on Eng. and R.H. C/H Water Valve Hose	1
	6C-8-42	Tube Only - 1 1/8 O.D. X 7 1/2" Long	1
	6C-8-43	Tube Only - 1 1/8 O.D. X 11 1/2" Long	1
	N.P.N.	Hose - 1 1/8 X 3" Rubber - L.H. and R.H.	2
	N.P.N.	Clamp - M 20 - L.H. & R.H. Hose	4
	6B-8-14	Fitting S/A - Between Engine and L.H. C/H Water Valve Pipe	1
	6B-8-13	Pipe S/A - Between Ftg. on Eng. and L.H. C/H Water Valve Hose	1

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MODEL MC-5A

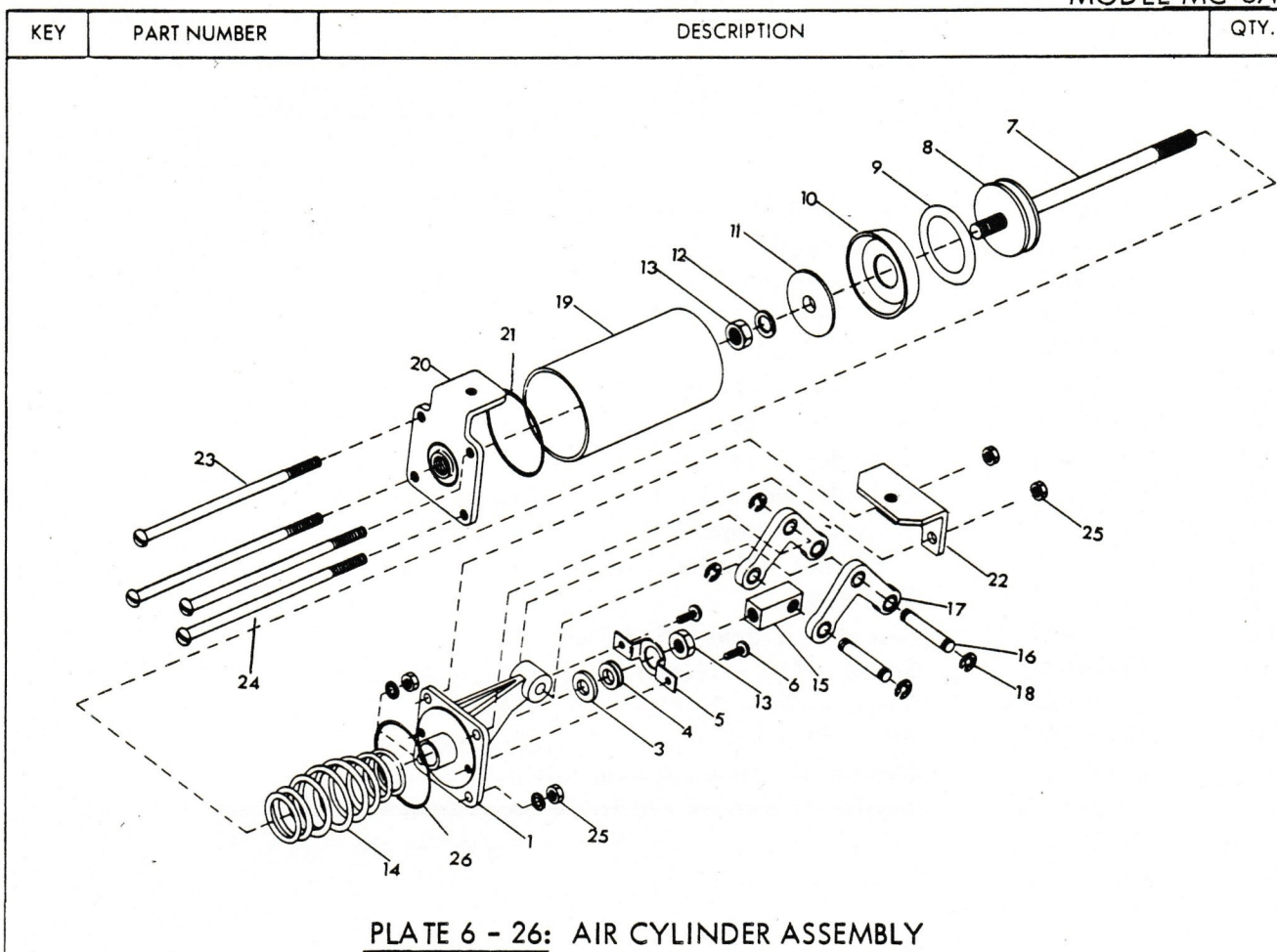


Plate 6-26	AIR CYLINDER ASSEMBLY - SHUTTERS			6.1001
1	6B-10-3	Air Cylinder Assembly - L.H. Shutters	1	
	6B-10-4	Air Cylinder Assembly - R.H. Shutters	1	
	6B-10-5	Cylinder Head & Pin Assembly	2	
	6B-10-6	Air Cylinder Head (Cast)	2	
	6B-10-7	Bearing Pin	2	
	6B-10-8	Washer	2	
3	6B-10-9	Felt - Dust Cap	2	
4	6B-10-10	Dust Cap	2	
5	6B-10-11	Retainer - Dust Cap	2	
6	6B-10-12	Screw - # 10 - 24 "Sems" R.H.M.	4	
	6B-10-13	Piston Rod & Head Assy.	2	
7	6B-10-14	Piston Rod	2	
8	6B-10-15	Piston Head	2	
9	6B-10-16	Felt - Piston Lubricator	2	
10	6B-10-17	Piston Cup - 1 3/4 Dia.	2	
11	6B-10-18	Follower Block	2	
12	6B-10-19	Lockwasher - 5/16 (Light)	2	
13	6B-10-20	Jam Nut - 5/16 - 18 N.C. Hex. (Stl.)	4	

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KEY	PART NUMBER	DESCRIPTION	QTY.
Plate			
6-26		<u>AIR CYLINDER ASSEMBLY - SHUTTERS (Cont'd.)</u>	
		6.1002	
14	6B-10-21	Spring	2
	6B-10-22	Rod End & Pin Assembly	2
15	6B-10-23	Connecting Rod End	2
16	6B-10-7	Bearing Pin	2
17	6B-10-43	Bell Crank & Bushing Assembly	4
	6B-10-44	Bell Crank (Cast)	4
	6B-10-45	Bushings - Nylon	12
18	6B-10-46	E-Retaining Rings	8
19	6B-10-47	Cylinder Barrel - 1 3/4" I.D.	2
20	6B-10-48	Cylinder Head & Bracket Assembly	2
	6B-10-49	Cylinder Head	2
	6B-10-50	Bracket - Cylinder Mounting	2
21	6B-10-51	Seal Ring	2
22	6B-10-52	Mounting Bracket (Rod End)	2
23	6B-10-54	Screw - #10 - 32 N.F. - R.H.M. - 4" Long	4
24	6B-10-60	Screw - #10 - 32 N.F. - R.H.M. - 3 7/8" Long	4
25	6B-10-61	Nut - #10 - 32 N.F. - "Keps" - Hex.	8
26	6B-10-63	Gasket -Cylinder to end	2
	6B-2-20	Mounting Bracket - Cylinder Bracket to Shutters L.H.	1
	6B-2-21	Mounting Bracket - Cylinder Bracket to Shutters R.H.	1
	6B-10-62	Kit - Air Cylinder Repair	2

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MODEL MC-5A

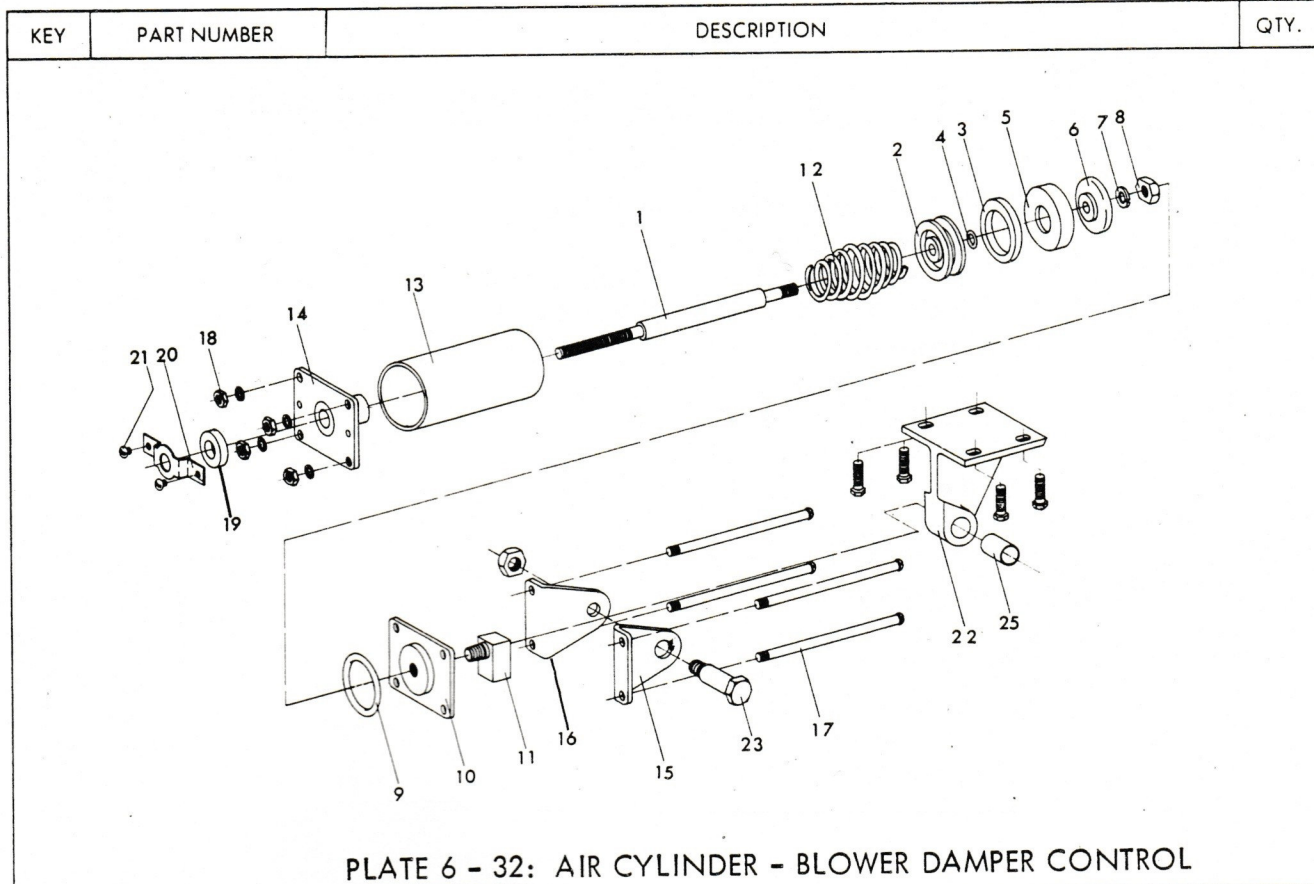


PLATE 6 - 32: AIR CYLINDER - BLOWER DAMPER CONTROL

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 6-32		* Effective Prior to Unit No. 6573 ** Effective With Unit No. 6573 <u>AIR CYLINDER - BLOWER DAMPER CONTROL 6.1003</u> Air Cylinder Assy. - Blower Damper Control	
1*	6C-5-67	Piston Rod	1
1**	6B-10-64	Piston Rod	1
2*	6C-10-53	Piston Head	1
2**	6B-10-15	Piston Head	1
3	6C-10-54	Felt - Piston Lubricator	1
4**	6B-10-27	Seal - "O" Ring	1
5	6C-10-55	Cup - Piston	1
6	6B-10-28	Follower Block	1
7	6B-10-29	Lockwasher - 5/16	1
8*	6B-10-58	Jam Nut - 5/16 - 18 Hex.	1
8**	6B-10-30	Jam Nut - 5/16 - 24 Hex.	1
9*	6C-10-56	Seal - "O" Ring	1
10*	6B-10-33	Head & Brkt. Assy. - Anchor End	1
10**	6C-10-89	Head & Brkt. Assy. - Anchor End	1
11**	6C-10-58	Fitting - 1/8 N.P.T.	1
12	6C-10-52	Spring	1
13	6B-10-21	Barrel - Air Cylinder	1
14*	6B-10-47	Head & Brkt. Assy. - Shaft End	1
	6C-10-90		

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MODEL MC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 6-32		<u>AIR CYLINDER - BLOWER DAMPER CONTROL (Cont'd)</u> 6.1004	
14**	6C-10-60	Head & Brkt. Assy. - Shaft End	1
*	6C-5-40	Bracket - Cylinder Mtg.	1
15**	6C-10-50	Bracket - Trunnion (1/2 Dia. Hole)	1
16**	6C-10-51	Bracket - Trunnion (3/8 Dia. Hole)	1
17*	6B-10-60	Screw - #10-32 x 3 7/8 R.H.M.	2
17*	6B-10-35	Screw - #10-32 x 3 3/4 R.H.M.	2
17**	6B-10-60	Screw - #10-32 x 3 7/8 R.H.M.	4
18	6B-10-61	Nut - #10-32 Keps Hex.	4
19*	6B-10-38	Felt - Dust Cap	1
19**	6C-10-63	Felt - Breather	1
*	6B-10-39	Dust Cap	1
20	6B-10-40	Felt Retainer	1
21	6B-10-12	Screw - #10-24 Sems R.H.M.	2
**	6C-5-66	Bracket S/A - Cylinder Anchor	1
22**	6C-5-64	Bracket Only	1
25**	N.P.N.	Nylon Bushing - 1/2" 8N8D	1
23**	6C-5-65	Shoulder Bolt	1
**	6C-5-70	Overhaul Kit - Damper Air Cylinder	1

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MODEL MC-5A			

KEY	PART NUMBER	DESCRIPTION	QTY.
PLATE 6 - 18: SHUTTERSTAT AIR FILTER			

Plate 6-18		SHUTTERSTAT AIR FILTER	6.1005
		Air Filter Assembly - Shutterstat	1
1	6-10-20	Body - Filter - Bottom	1
2	6-10-21	Body - Filter - Top	1
3	6-10-22	Cock - 1/4 Stop	1
4	6-10-23	Cock - Drain	1
5	6-10-24	Felt - With Oiler	1
6	6-10-25	Felt	1
7	6-10-26	Gasket	1
8	6-10-27	Filter Disc	1
9	6-10-28	Screen	1
10	6-10-29	Filter Plug	1
11	6-10-30	Gasket - Filter Plug	1
12	6-10-31	Straight Tube Fitting - 1/4"	1
	6-10-32	Air Filter Felt Kit	1
	6-10-33	Shutterstat Fluid for 6-10-20 Air Filter	1
	4B-20-36	Bracket - Filter Mtg.	1

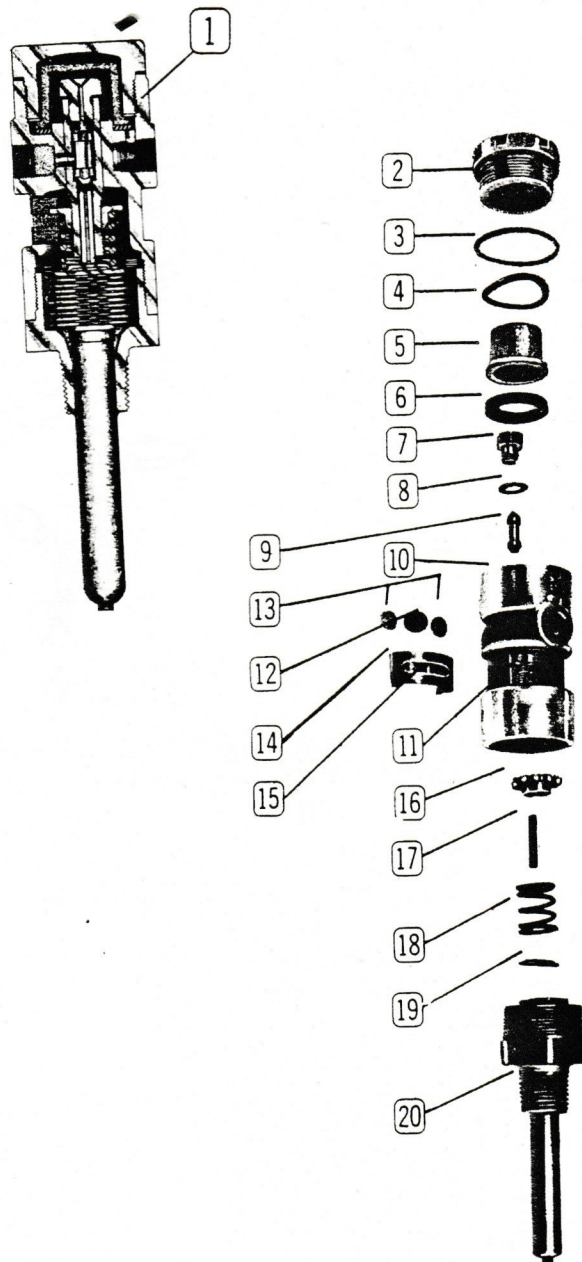


PLATE 6 - 23: SHUTTERSTAT ASSEMBLY



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KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 6-23		<u>AIR FILTER & SHUTTERSTAT ASSEMBLY</u> 6.1006	
1	6C-10-18	Shutterstat Assembly - C/W Air Filter	1
2	6C-10-19	End Cap	1
3	6C-10-20	Gasket - End Cap	1
4	6C-10-21	Spring Washer	1
5	6C-10-22	Air Filter	1
6	6C-10-23	Gasket - Air Filter	1
7	6-10-49	Needle - Seat Cap	1
8	6-10-52	Gasket - Seat Cap	1
9	6-10-44	Needle	1
10	6C-10-24	Body S/A - Shutterstat	1
11	6C-10-25	Bushing	1
12	6-10-46	Felt	1
13	6-10-51	Screen	2
14	6C-10-26	Cover & Ratchet Stop	1
15	6C-10-27	Screen - Air Outlet	1
16	6C-10-28	Adjustment Wheel	1
17	6C-10-29	Push Pin	1
18	6-10-42	Spring	1
19	6C-10-30	Disc. - Spring Pilot	1
20	6C-10-31	Base S/A	1
		<u>SURGE TANK ASSEMBLY</u> 6.1401	
	6C-14-3	Surge Tank Assembly - Complete	1
	N.P.N.	Plug - 1/8 Pipe - Hex. Hd. #3152X2WH	(As Req;d)
	6C-14-13	Bracket - Mtg. Valve for Rad. Water level control line to R.H. V-Channel above lazy back.	1
	N.P.N.	Screw - #10 x 1/2 Phillips Tr. Hd. Type 1 - for mtg. Bracket, 6C-14-13	3
	6C-14-14	Control Rod S/A - Surge Tank Drain Valve	1
	N.P.N.	Screw - #4 x 3/8 Phillips Oval Hd. Machine - Mtg. Valve Handle to Control Rod	1
	3C-37-41	Panel - Blower Compt. Floor .081 Alum. - 25" x 56"	1
	N.P.N.	Bearing - Mounted on Blower Compt. Floor for Surge Tank Water Level Control Rod - FKN-4 Side Flange - Nylon Ball	1
	N.P.N.	Valve - Shut-off - 1/4 x 1/4 Surge Tank level control - #100 R.D. Brass	1
	N.P.N.	Screw - 1/4 - 28 x 3/4 Mtg. Valve & Bearings	4
	N.P.N.	Nut - 1/4 - 28 - Cad. Plated.	4

SECTION 7

Electrical System

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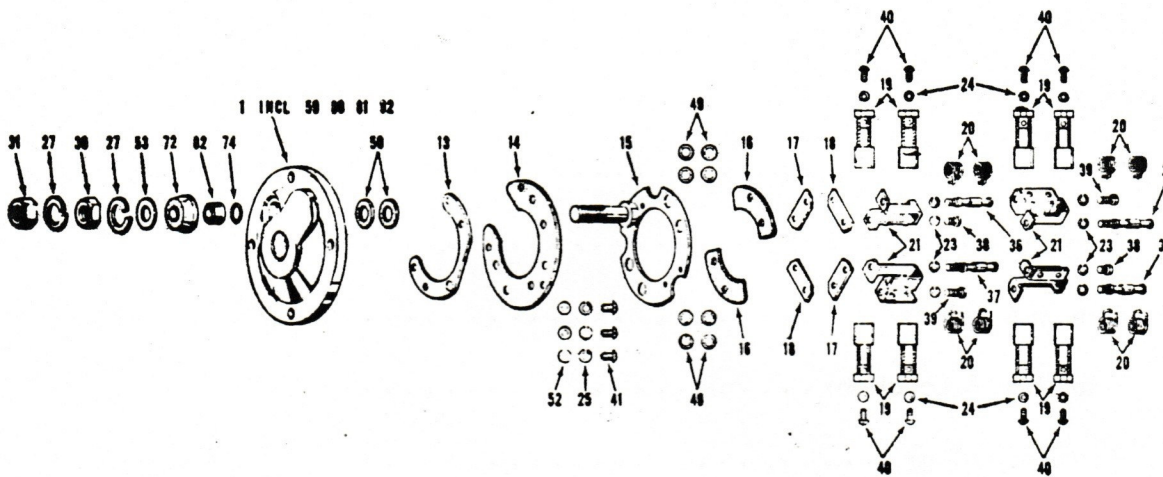
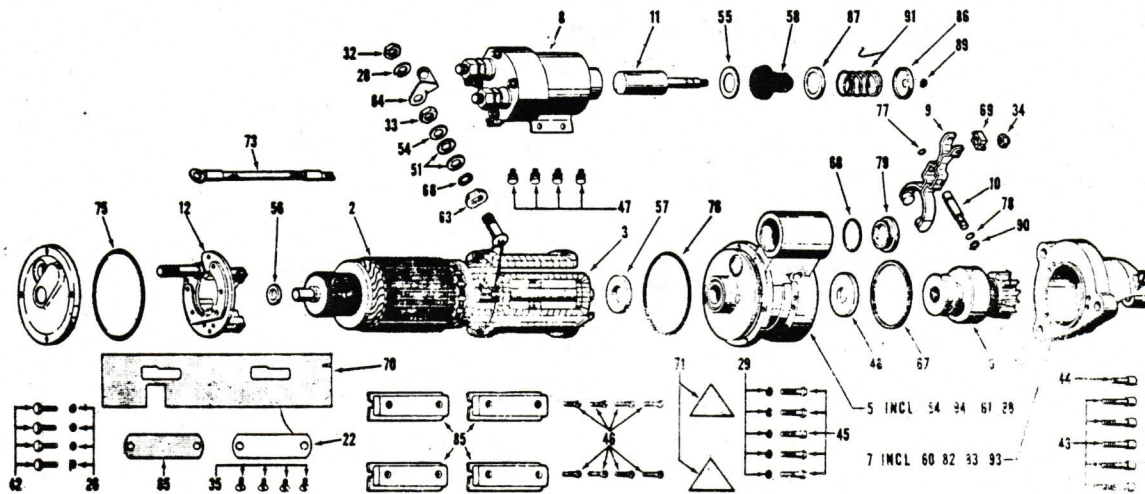


PLATE 7 - 55 - STARTING MOTOR (24 VOLT)



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KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 7-55		<u>STARTER MOTOR</u> 7.0101	
1	7B-1-1	Starter Motor Assembly - 8V71 Engine - 24 V	1
1	7A-1-37	Frame - C.E.	1
59	7A-1-38	Bushing - C.E. Frame	1
80	7A-1-41	End Plug - C.E.	1
	7B-1-2	Felt Plug - Oil Reservoir	1
81	7A-1-40	Plug - Pipe - C.E.	1
92	7A-1-39	Wick - Oil - C.E.	1
2	7B-1-3	Armature	1
3	7B-1-4	Field Coil	4
4	7A-1-29	Stud - Terminal	1
5	7A-1-55	Housing - Lever	1
84	7A-1-40	Plug - Pipe - Lever Housing	1
94	7B-1-5	Wick - Oil - Lever Housing	1
61	7A-1-56	Bushing - Lever Housing	1
88	7A-1-57	Seal - Oil Lever Housing	1
6	7A-1-84	Drive Assembly	1
	7A-1-85	Cup - Spring Retainer	2
	7A-1-86	Spring - Meshing	1
	7A-1-87	Pinion	1
	7A-1-88	Cup - Pinion Stop	1
	7A-1-89	Washer - Split	2
	7A-1-90	Bushing - (In Sub - Assembly)	2
7	7A-1-62	Housing - Drive	1
60	7A-1-64	Bushing - Drive Housing	1
82	7A-1-40	Plug D.E. Housing (11/32" Dia.)	1
83	7A-1-65	Plug - Pipe D.E. Housing (1/4" Dia.)	1
93	7A-1-63	Wick - Oil - Drive Housing	1
9	7A-1-66	Lever - Shift	1
10	7A-1-67	Shaft - Lever	1
11	7A-1-68	Plunger	1
12	7A-1-43	Plate Assembly - Less Brushes	1
15	7A-1-44	Plate & Stud	1
20	7A-1-45	Spring - Brush	8
38	7A-1-46	Screw - Brush Holder (Short)	2
23	7A-1-47	Lockwasher - Brush Holder Screw	8
13	7-1-91	Plate - Support	1
14	7-1-92	Insulator - Brush Plate	1
16	7B-1-6	Insulator - Brush Holder	2

Challenger**PARTS MANUAL**

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 7 - 55		<u>STARTER MOTOR (Cont'd)</u> 7.0102	
17	7-1-95	Plate - Space Insulator Holder	2
18	7-1-96	Plate - Space Ground Holder	2
19	7B-1-8	Brush	8
21	7-1-97	Holder - Brush	4
22	7A-1-32	Plate - Brush Cover	2
24	7A-1-48	Lockwasher - Brush Lead Attach Scr.	8
25	7-1-100	Lockwasher - Brush Plate Assembly	6
26	7A-1-54	Lockwasher - C.E. Frame Attach. Scr.	4
27	7-1-102	Lockwasher - C.E. Terminal Stud	2
28	7-1-102	Lockwasher - Field Terminal Stud	1
29	7A-1-54	Lockwasher - Lever Housing Attach Scr.	5
30	7-1-103	Nut - C.E. Terminal Stud (1/2 x 13 x 5/16)	1
31	7-1-104	Nut - C.E. Terminal Stud (1/2 x 13 x 7/16)	1
32,33	7-1-103	Nut - Field Terminal Stud	2
34	7A-1-77	Nut - Plunger Rod Guide Adjusting	1
35	7B-1-9	Screw - Brush Cover Plate Attach.	1
36	7-1-99	Screw - Brush Holder - Ground Brush Long	2
37	7-1-98	Screw - Brush Holder - Insulated Brush Long	2
38	7A-1-46	Screw - Brush Holder Ground Brush Short	2
39	7B-1-11	Screw - Brush Holder Insulated Brush Short	2
40	7-1-162	Screw - Brush Lead Attaching	8
41	7-1-107	Screw - Brush Plate Assembly Attaching	6
42	7-1-108	Screw - C.E. Frame Attaching	4
43	7A-1-81	Screw - Drive Housing Attaching (5/16 x 18 x 1 1/2)	5
44	7A-1-82	Screw - Drive Housing Attaching (5/16 x 18 x 55/64)	1
45	7-1-108	Screw - Lever Housing Attaching	5
46	7A-1-23	Screw - Pole Shoe	8
47	7A-1-83	Screw & Lockwasher Switch Assembly	4
48	7A-1-59	Washer - Brake - Between Lever Housing & Drive	1
49	7-1-116	Washer - Brush Holder Screw-ins. (Bushings)	8
50	7A-1-50	Washer - C.E. Terminal Stud - Ins.	2
51	7A-1-25	Washer - Field Terminal Stud - Ins.	2
52	7A-1-49	Washer - Brush Plate Assembly Attach. Scr. Plain	3
53	7A-1-26	Washer - C.E. Terminal Stud - Plain	1
54	7A-1-26	Washer - Field Terminal Stud - Plain	1



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KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 7-55		<u>STARTER MOTOR (Cont'd)</u> 7.0103	
55	7A-1-70	Washer - Shaft Lever Return Spring Retainer	1
56	7A-1-35	Washer - Space - C.E.	1
57	7A-1-58	Washer - Space - Between Armature & Lever Housing	1
58	7A-1-76	Boot - Plunger	1
62	7A-1-51	Bushing - Ins. C.E. Terminal Stud	1
63	7A-1-24	Bushing - Ins. Field Terminal Stud	1
64	7A-1-31	Connector - Terminal to Switch	1
65	7A-1-34	Gasket - Brush Cover Plate	2
66	7A-1-27	Gasket - (Rubber) Field Terminal Stud	1
67	7A-1-60	Gasket - Between Lever Drive Housing	1
68	7A-1-80	Gasket - Lever Housing Plug	1
69	7A-1-77	Guide - Plunger Rod	1
70	7A-1-30	Insulator - Field Coil C.E.	1
71	7-1-134	Insulator - Field Coil D.E.	1
72	7A-1-52	Insulator - Terminal Stud C.E.	1
73	7A-1-53	Lead - (Terminal) C.E. - Terminal to Switch	1
74	7-1-130	O Ring - C.E. Terminal Stud	1
77	7A-1-73	O Ring - Shift Lever (1/2" Dia.)	1
78	7A-1-74	O Ring - Shift Lever (15/64" Dia.)	1
79	7A-1-79	Plug - Lever Housing	1
	7B-1-10	Plug - Retainer - Oil Reservoir	1
85	7A-1-22	Pole Shoe	4
86	7A-1-71	Retainer - Shift Lever Spring (13/32" Hole)	1
87	7A-1-72	Retainer - Shift Lever Spring (1 13/64" Hole)	1
89	7A-1-75	Snap Ring - Lever Shift Retainer	1
90	7A-1-75	Snap Ring - Shift Lever Return Spring	1
91	7A-1-69	Spring - Shift Lever Return	1
		<u>(For Starter Switch - See Group 7.06)</u>	
8	7B-6-1	Solenoid Switch - Starting Motor	1
		<u>Bolts & Lockwashers for Mounting Starting Motor to Engine</u>	
	7B-1-14	Bolt - 5/8" - 11 x 1 3/4" (12 P.T.)	1
	7B-1-15	Bolt - 5/8" - 11 x 1 3/4"	2
	7B-1-16	Lockwasher - 5/8	3

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7 - ELECTRICAL

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7.03

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PARTS MANUAL

MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>225 AMP. GENERATOR (24 Volt)</u> 7.0301	
	7B-3-149	Generator Assembly - 24 Volt; 225 Amp.	1
	7B-3-209	Cover - Diode End	1
	7B-3-210	Screw - Cover Attach.	4
	7B-3-192	Lockwasher - Cover Attach. Screw	4
	7B-3-169	Frame - Diode End	1
	7B-3-172	Screw - End Frame Attach. - 3/8 - 24 X 2	4
	7B-3-173	Lockwasher - 3/8	4
	7B-3-171	Screw - End Frame Attach. - 1 5/8" lg.	6
	7B-3-156	Lockwasher - End Frame Attach. - 1/4"	6
	7B-3-154	Field Assy.	1
	7B-3-155	Terminal Stud - Field (Includes Ins. Washer)	1
	7B-3-157	Lockwasher - Field Terminal (External Tooth)	1
	7B-3-156	Lockwasher - Field Terminal (Spring Type)	1
	7B-3-158	Washer - Ins. Field Terminal	1
	7A-3-37	Washer - Plain - Field Terminal	1
	7B-3-148	Sleeve - Ins. Field Terminal (Upper)	1
	7B-3-160	Sleeve - Ins. Field Terminal	1
	7B-3-151	Stator Assy.	1
	7B-3-152	Terminal Stud-Stator	3
	7B-3-153	Nut & Lockwasher - Stator Terminal	3
	7B-3-150	Rotor Assy.	1
	7B-3-174	Frame - Drive End	1
	7B-3-176	Bolt - Drive End Frame Attach. 1/4 - 20 X 2	5
	7B-3-177	Bolt - Drive End Frame Attach.	1
	7B-3-185	Ball Bearing - Inner Drive End	1
	7B-3-178	Ball Bearing - Outer Drive End	1
	7B-3-188	Spacer - Ball Bearing	1
	7B-3-186	Retainer - Ball Bearing Inner	1
	7B-3-179	Retainer & Seal - Ball Bearing Outer	1
	7B-3-180	Oil Seal - Ball Bearing Outer	1
	7B-3-156	Lockwasher - Ball Bearing Retainer Attach. (Outer)	6
	7B-3-187	Screw - Bearing Retainer Plate Attach.	6
	7B-3-182	Screw - Ball Bearing Retainer (Outer)	6
	7B-3-181	Clamp - Ball Bearing (Outer)	1
	7B-3-184	Gasket - Ball Bearing Retainer (Outer)	1
	7B-3-183	Spacer - Shaft (Outer)	1
	7A-3-150	Diode - Silicon Negative	3
	7B-3-205	Screw - Neg. Diode Attach. To Bus Bar	3
	7B-3-206	Lockwasher - Neg. Diode Attach. To Bus Bar	3
	7B-3-224	Screw - Neg. Diode Attach to D.C. Term.	1
	7B-3-225	Lockwasher - Neg. Diode Attach to D.C. Term.	1
	7B-3-207	Sleeve - Diode	6
	7B-3-189	Diode - Heat Sink - Silicon Positive	3
	7B-3-189	Heat Sink - Positive Diode	3



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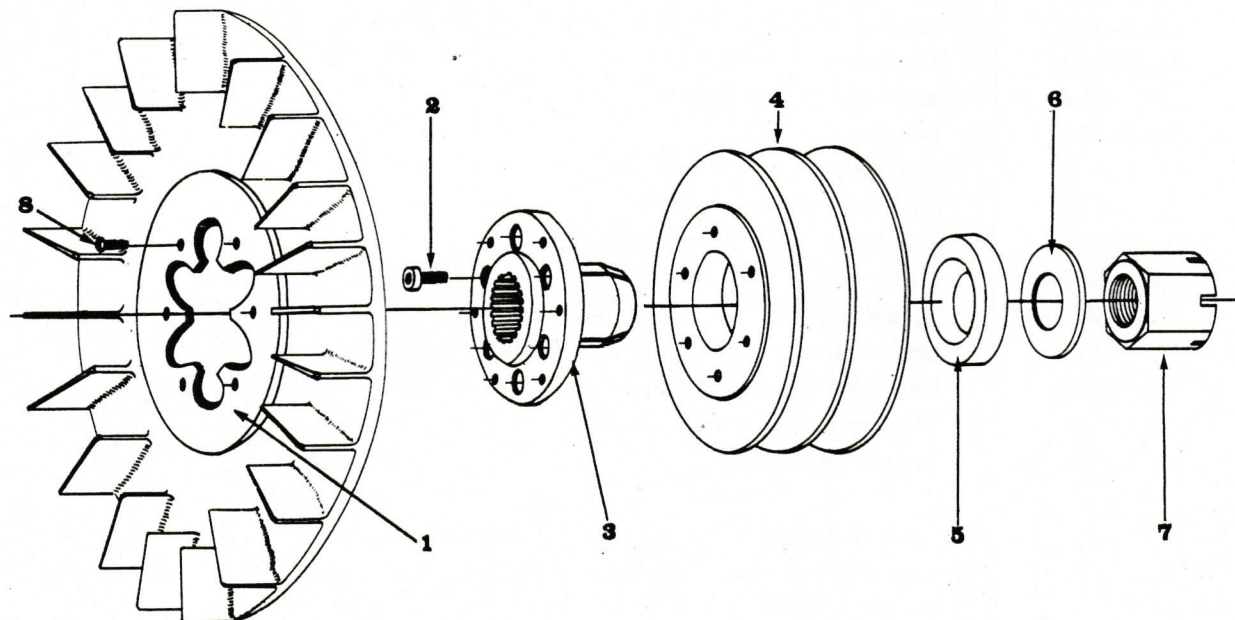
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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>225 AMP. GENERATOR (24 Volt)</u> 7.0302	
	7A-3-252	Screw - Diode Heat Sink Attach.	3
	7B-3-192	Lockwasher - Diode Heat Sink Attach. Screw	3
	7B-3-194	Washer - Ins. - Diode Heat Sink Attach. Screw	3
*	7B-3-193	Washer - Ins. - Diode Heat Sink Attach. Screw	3
**	7C-3-5	Nut - Diode Heat Sink Attach. Screw	3
**	7C-3-6	Lockwasher - Diode Heat Sink Attach. Screw	3
**	7C-3-7	Washer - Diode Heat Sink Attach. Screw	3
	7B-3-195	Sleeve - Heat Sink - Diode Attach.	3
	7B-3-208	Screw - Pos. Diode Attach	3
	7B-3-156	Lockwasher - Pos. Diode Attach.	3
	7B-3-215	Terminal Stud - D.C.	1
	7B-3-219	Washer - Ins. D.C. Terminal	1
	7B-3-223	Washer - Plain - D.C. Terminal	1
	7B-3-217	Lockwasher - D.C. Terminal (Spring Type)	1
	7B-3-222	Lockwasher - D.C. Terminal (External Tooth)	1
	7B-3-216	Nut - D.C. Terminal (7/16" Thick)	1
	7B-3-218	Nut - D.C. Terminal (5/16" Thick)	1
	7B-3-211	Terminal & Clip Assy. - A.C.	1
	7B-3-156	Lockwasher - A.C. Term. (1/4)	1
	7A-3-157	Nut - A.C. Term.	1
	7B-3-213	Washer - Ins. A.C. Term. - Sq. Hole	1
	7A-3-158	Washer - Plain - A.C. Term. - (9/16 O.D.)	1
	7B-3-147	Washer - Plain - A.C. Term. - (Rd. Hole)	1
	7B-3-214	Bushing - A.C. Terminal	1
	7B-3-198	Terminal - Ground	1
	7B-3-200	Lockwasher - Ground Term.	2
	7B-3-199	Nut - Ground Terminal	1
	7B-3-201	Bus Bar - Diode Connecting	1
	7B-3-202	Plate - Bus Bar Clamping	1
	7A-3-463	Screw - Bus Bar Plate Attach.	3
	7B-3-192	Lockwasher - Bus Bar Plate Attach.	3
	7B-3-203	Insulator - Bus Bar Plate	6
	7B-3-24	Washer - Shaft End	1
	7B-3-25	Nut - Shaft End	1
	N.P.N.	Valve - Pressure Relief - #47200 Alemite	1
	N.P.N.	Grease Fitting - M - 336 Alemite	1
	N.P.N.	Coupling - 3300 X 2 WH.	
	N.P.N.	Long Nipple - Generator Lubrication - 3330 X 2 WH.	
		* Replaced by ** on units with stud mounting	

PARTS MANUAL**MODEL MC-5A & MCC-5A**

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 7-64		225 AMP. GENERATOR (24 Volt) (Cont'd)	7.0302
4	7B-3-14	Fan, Hub & Pulley Assy. - 225 Amp. Generator	1
	7C-3-1	Pulley Assy.	1
	7B-3-11	Fan & Hub Package	1
1	7B-3-16	Fan Only	1
3	7B-3-20	Hub Only	1
5	7B-3-23	Collar - Tapered	1
2	7B-3-17	Cap Screw - Socket Hd.	6
8	7B-3-18	Screw - Rd. Hd. Slotted	6
	7B-3-19	Lockwasher	6
6	7B-3-24	Washer - Shaft End	1
7	7B-3-25	Nut - Shaft End	1
	7B-3-260	Pulley Assembly - On Engine (Serviced as Assembly Only)	1
	7B-3-263	Bushing - Tapered	1
	N.P.N.	Cap Screw - 3/8-16 X 1 N.C.	4

**PLATE 7 - 64: GENERATOR FAN, HUB & PULLEY ASSEMBLY**

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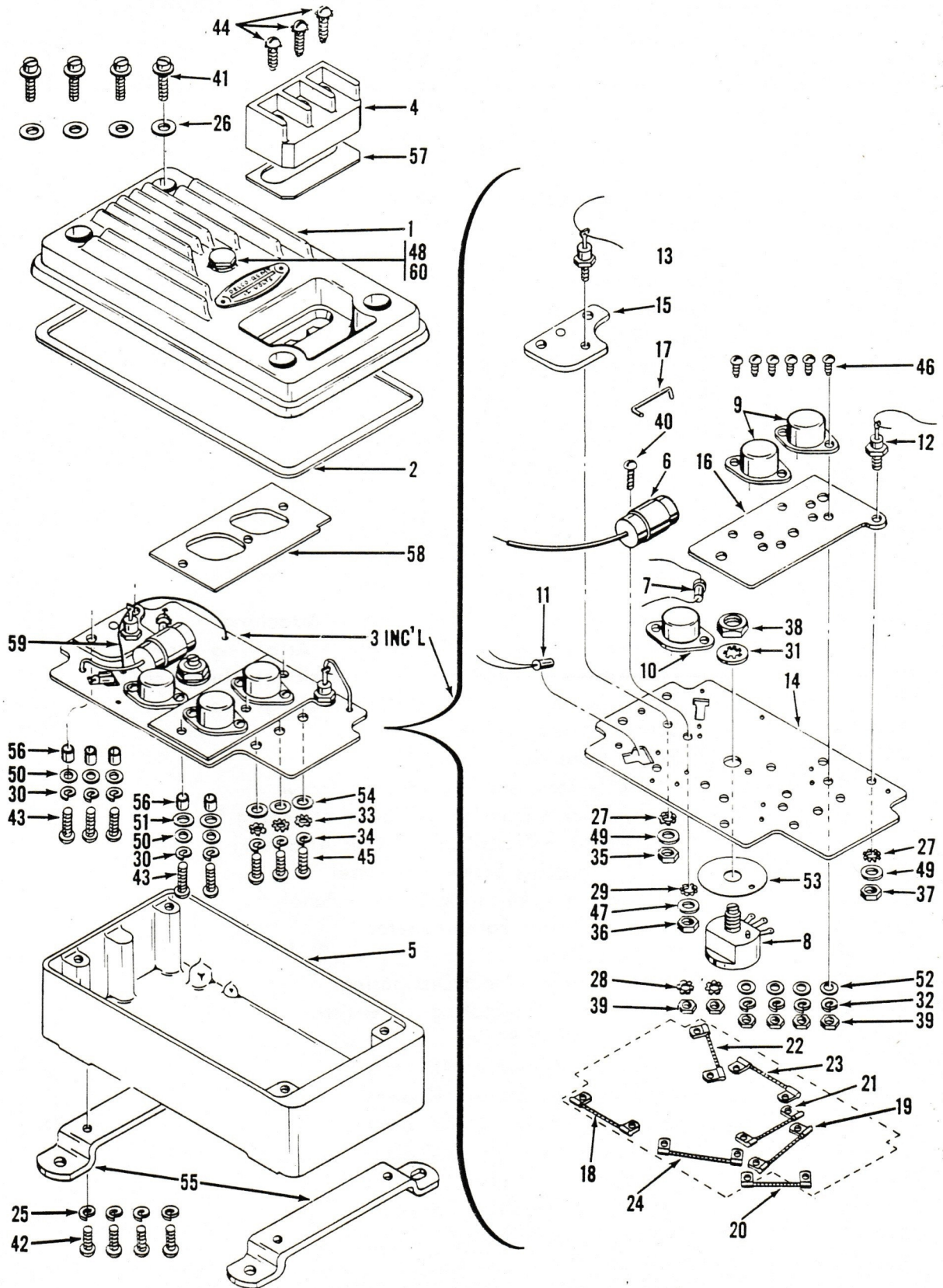


PLATE 7 - 63: REGULATOR (24 VOLT)

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PARTS MANUAL

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 7-63		<u>REGULATOR</u> 7.0401	
	7B-4-1	Regulator - 24 Volt - Transistor	1
1	7B-4-2	Cover	1
41	7B-4-3	Screw - Cover Attaching	4
26	7B-4-4	Lockwasher - Cover Attaching Screw	4
2	7B-4-5	Gasket - Cover	1
3	7B-4-6	Panel Assembly	1
6	7B-4-7	Capacitor Feed Back	1
7	7C-4-2	Capacitor - Filter	1
8	7B-4-9	Potentiometer	1
9	7B-4-57	Transistor - Power	2
10	7B-4-58	Transistor - Driver	1
11	7B-4-12	Diode - Zener	1
12	7B-4-13	Diode - Field Discharge	1
13	7B-4-14	Diode - Back Bias	1
59	7B-4-15	Lead - In Panel	1
40	7B-4-16	Screw - Capacitor - Feed Back - Attaching	1
47	7B-4-17	Washer - Capacitor - Feed Back - Attaching Screw	1
29	7B-4-18	Lockwasher - Capacitor - Feed Back Attaching Screw	1
36	7B-4-19	Nut - Capacitor - Feed Back Attaching Screw	1
46	7B-4-20	Screw - Transistor Attaching	6
39	7B-4-21	Nut - Transistor - Attaching Screw	6
52	7B-4-22	Washer - Transistor - Attaching Screw	4
32	7B-4-23	Lockwasher - Transistor - Power Attaching Screw	4
28	7B-4-24	Lockwasher - Transistor - Driver Attaching Screw	2
38	7B-4-25	Nut - Adjusting Screw - In Panel	1
31	7B-4-26	Lockwasher - Adjusting Screw - Panel	1
53	7B-4-27	Washer - Ins. - Potentiometer	1
14	7B-4-28	Printed Circuit	1
15	7B-4-29	Plate - Diode - Heat Dissipating	1
16	7B-4-30	Plate - Heat Dissipating - Transistor	1
17	7B-4-31	Resistor - Feed Back	1
18	7B-4-32	Resistance Assembly (300 ohm)	1
19	7B-4-33	Resistance Assembly (10 ohm)	2
20	7B-4-34	Resistance Assembly (150 ohm)	1
21	7B-4-32	Resistance Assembly (300 ohm)	1
22	7B-4-35	Resistance Assembly (65 ohm)	1
23	7B-4-36	Resistance Assembly (150 ohm)	1
49	7B-4-17	Washer - Diode Attach.	2
27	7B-4-18	Lockwasher - Diode Attach.	2
37	7B-4-37	Nut - Diode Attach. Field Discharge	1
35	7B-4-19	Nut - Diode Attach. Back Bias	1



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KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 7-63		<u>REGULATOR (Cont'd)</u> 7.0402	
5	7B-4-38	Base	1
4	7B-4-39	Block - Terminal	1
45	7B-4-40	Screw - Terminal Block Attach.	3
33	7B-4-18	Lockwasher (External Tooth) - Terminal Block Attach. Screw	3
34	7B-4-41	Lockwasher (#10 Spring Type)-Terminal Block Attach. Screw	3
54	7B-4-17	Washer - Terminal Block Attach. Screw	3
57	7B-4-42	Gasket - Terminal Block	1
58	7B-4-43	Insulator - Transistor	1
55	7B-4-44	Bracket - Mounting	2
42	7B-4-40	Screw - Bracket Mounting Attach.	4
25	7B-4-45	Lockwasher - Bracket Mounting Attach. Screw	4
44	7B-4-46	Screw & Lockwasher - Terminal	3
43	7B-4-47	Screw - Panel Attaching	5
30	7B-4-48	Lockwasher - Panel Attaching Screw	5
56	7B-4-49	Bushing - Panel Attaching Screw	5
50	7B-4-50	Washer - Steel Panel Attaching Screw	5
51	7B-4-51	Washer - Ins. Panel Attaching Screw	2
60	7B-4-52	Plug Cover - Adjusting Screw	1
48	7B-4-53	Washer - Plug Cover	1
	7B-4-54	Insulator -(2 Hole) Panel Attaching Screw	1

Challenger**PARTS MANUAL**

MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>HORNS</u> 7.0501	
	7C-5-9	Horn - Low Note - 24 Volt	1
	7C-5-10	Horn - High Note - 24 Volt	1
	7B-5-3	Screw - Adjusting	2
	7B-5-4	Screw - Terminal	2
	7B-5-5	Clip - Terminal	2
	7C-8-41	Bracket - Horn Mounting	1
		<u>RELAYS</u>	
	7C-5-18	Horn Relay - 24 Volt	1
	7C-5-14	Relay - Stop Light	1
	7B-5-11	Relay - 24 Volt - Field	1
	7B-5-9	Clip Terminal Screw Lock	1
	7B-13-85	Relay - 24 Volt Discharge, Eng. Guard Overrule & Starter Interlock	3
	7B-5-8	Screw - Terminal	3
	7B-5-9	Clip - Terminal Screw Lock	3
	7B-5-16	Cover	3
	7B-5-17	Gasket - Cover	3
	7C-5-1	Relay - Engine Stop	1
	7C-5-15	Relay - Turn Light Tell-Tale	1
	7C-5-11	Relay - Overvoltage, Charging System	1
	N.P.N.	Screw - #10 - 32 x 3/4 Philips T.H. Type 1	2
	7C-5-17	Magnetic Switch - Solenoid, Starting Motor	1
	N.P.N.	Bracket - Solenoid Switch Mtg.	1
	7C-5-17	Magnetic Switch - Condenser Motor	3
		- Evaporator Motor	
		- Reverse Solenoid Circuit	

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KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 7-56		SOLENOID ASSEMBLY - STARTING MOTOR	7.0601
	7B-6-1	Solenoid Assembly - Starting Motor	1
2	7B-6-2	Case & Coil	1
4	7B-6-3	Disc. - Contact	1
5	7B-6-4	Plate Assembly (Terminal) Includes:	1
8	7A-6-6	Plate - Terminal	1
9	7B-6-5	Battery Terminal Stud	1
10	7B-6-6	Motor Terminal Stud	1
16	7A-6-13	Lockwasher - Terminal Stud - 1/2"	4
21	7A-6-14	Nut - Terminal - 1/2 - 13 x 5/16 Thick	2
22	7A-6-15	Nut - Terminal - 1/2 - 13 x 7/16 Thick	2
23	7-6-55	Screw - Coil Lead Attaching	1
35	7A-6-11	Washer - Plain - Terminal - 7/8 O.D.	2
39	7A-6-12	Bushing - Insul. - Terminal Stud	2
45	7-6-66	Gasket - Terminal Plate	1
19	7A-6-16	Nut & Washer - Terminal Plate Attaching	4
26	7-6-56	Screw - Terminal	2
	7A-6-10	Washer - Rubber - Terminal Bushing	2
41	7-6-64	Clamp - Terminal	2
	7A-6-4	Spring - Plunger - Contact Return	1
51	7-6-69	Strap - Ground	1

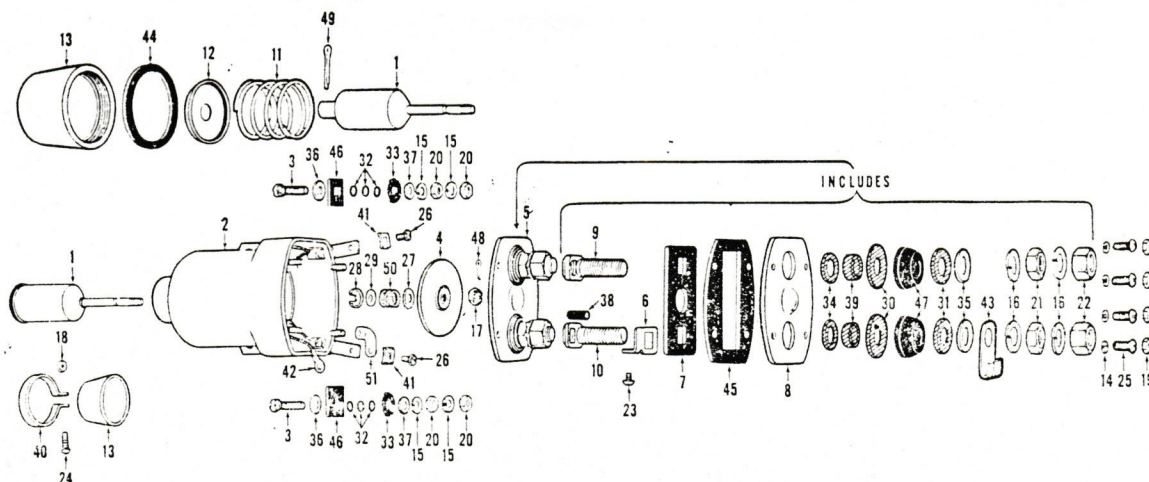


PLATE 7-56 - SOLENOID - STARTING MOTOR

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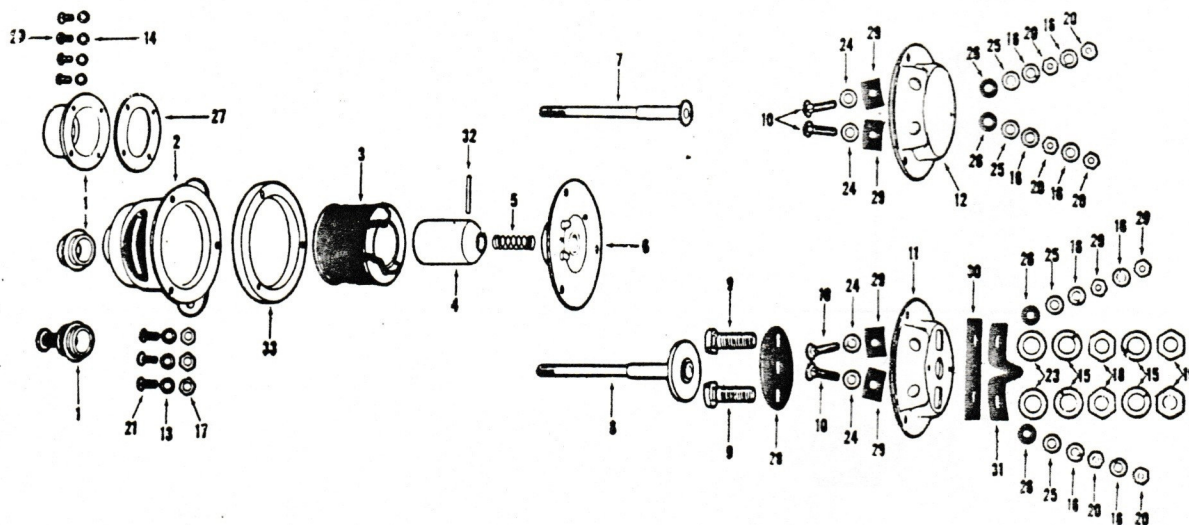


PLATE 7 - 50 - SOLENOID - EMERGENCY STOP



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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 7-59		<u>SOLENOID ASSEMBLY - EMERGENCY STOP</u> 7.0602	
	7B-6-9	Solenoid Assembly - Emergency Stop	1
2	7B-6-10	Case	1
3	7B-6-11	Coil	1
4	7B-6-12	Plunger	1
5	7B-6-13	Spring - Plunger	1
6	7B-6-14	Stop and Base	1
7	7B-6-15	Push Rod	1
10	7B-6-16	Stud - Terminals	2
12	7B-6-17	Base Only	1
13	7B-6-18	Lockwasher Base Attaching Screw	3
16	7B-6-19	Lockwasher Terminal (#8)	6
17	7B-6-20	Nut Base Attaching Screw	3
20	7B-6-21	Nut Terminal (8-32)	8
21	7B-6-22	Screw - Base Attaching	3
24	7B-6-23	Washer - Terminal (Inside)	4
25	7B-6-24	Washer - Terminal (Outside)	4
26	7B-6-25	Bushing - Insul. Terminal	4
29	7B-6-26	Insulator - Terminal	4
32	7B-6-27	Pin Plunger	1
	7-8-596	Boot - Rubber	1
		<u>STARTER SWITCH</u>	
	7B-6-33	Starter Switch Assembly - Remote Control	1
	7B-6-34	Mounting Nut	1
	7B-6-36	Boot	1
	7B-6-37	Lockwasher	1
	7B-6-38	Plain Washer	1
	7B-6-39	Screw or Nut - Terminal	1
	7B-6-40	Plain Washer	1
	7B-6-41	Lockwasher - Terminal Screw	1

Challenger**PARTS MANUAL**

MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 7-65		<u>HEAD LAMP ASSEMBLY</u>	
	7C-7-95	Head Lamp Assembly - L.H.	1
	7C-7-94	Head Lamp Assembly - R.H.	1
1	7A-7-9	Ring - Retaining	4
2	7A-7-8	Screw - Retaining	8
3	7A-7-7	Screw - Adjusting	8
4	7C-7-18	Sealed Beam Unit - Inner, Single Filament	2
5	7C-7-17	Sealed Beam Unit - Outer, Dual Filament	2
6	7A-7-17	Spring	4
7	7A-7-18	Ring - Mounting	4
8	7A-7-10	Bezel	2
9	3C-35-206	Panel - Head Lamp Mounting - L.H.	1
	3C-35-207	Panel - Head Lamp Mtg. - R.H.	1
	7C-7-97	Shims - Head Lamp Body Mounting	2
		<u>BACK UP LAMPS</u>	
	7C-7-113	Back-Up Lamp Assy.	1
	7C-7-41	Bezel	1
	7C-7-39	Screw	1
	7C-7-40	Nut	1
	7C-7-112	Sealed Beam Unit	1
	7C-7-108	Body Assy.	1
	7C-7-109	Adapter Ring	1
	7C-7-110	Socket & Wire	1
	7C-7-111	Bracket - Includes Bolt and Washers	1
	7C-7-36	Shell Only	1





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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>READING LIGHTS</u>	
	7B-7-42	Light Assembly - Passenger - L.H.	9
	7B-7-66	Light Assembly - Passenger - R.H.	9
	7B-7-43	Cover Assembly - L.H.	1
	7B-7-67	Cover Assembly - R.H.	1
	7-7-382	Cover Only - L.H.	1
	7-7-383	Cover Only - R.H.	1
	7-7-384	Lens Holder - 22°	2
	7-7-385	Lens Holder - 17°	2
	7B-7-44	Screw - #8-32 x 3/16 B.H.M.S. (Lens Holder)	8
	7-7-386	Stud	8
	N.P.N.	Lockwasher - Split #6	8
	7-7-387	Lens	4
	7B-7-45	Glass Clip	4
	7B-7-46	Screw - #6-32 x 3/16 B.H.M.S.	12
	N.P.N.	Lockwasher - Split #6	12
	7B-7-47	Gummed Label (Specify "L" or "R")	1
	7-7-388	Gasket - Lens	4
	7B-7-48	Housing Assembly - L.H.	1
	7B-7-68	Housing Assembly - R.H.	1
	7B-7-49	Housing & Tube Assy. - L.H.	1
	7B-7-69	Housing & Tube Assy. - R.H.	1
	7B-7-50	Housing Only - L.H.	1
	7B-7-70	Housing Only - R.H.	1
	7B-7-51	Socket Tube (Swage in Housing)	2
	7B-7-52	Socket Tube (Swage in Housing)	2
	7B-7-53	Latch Spring	8
	7B-7-54	Rivet - 1/8 x 1/8 Csk. H. Tubular	16
	7-7-392	Switch - S.P.D.T. 3-Terminal	4
	7B-7-55	Screw - #4 - 40 x 1/4 Self Tapping	8
	7B-7-56	Felt Seal - 1/16"	2
	7B-7-57	Socket - S.C. Bay Base	2
	7B-7-58	Wire - 16 Ga. 4" Lg.	4
	7B-7-59	Terminal Jack	4
	7B-7-60	Wire - 16 Ga. 6" Lg. - Soldered to Switch	8
	7B-7-61	Wire - 16 Ga. 3" Lg. - Soldered to Switch	8
	7B-7-62	Connector - 3 Wire	4
	7B-7-63	Tubing - #8 x 7/16" Lg. Plastic	8
	7B-7-64	Switch Cover	4
	7B-7-65	Fibre Shield - Inside Switch Cover	4

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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>TURN LIGHT ASSEMBLIES (Front)</u> 7.0703	
	7C-7-100	Adapter Casting - Front Turn Light - L.H.	1
	7C-7-101	Adapter Casting - Front Turn Light - R.H.	1
	7A-7-68	Front Turn Light Assembly	2
	7A-7-69	Lens - Amber	2
	7A-7-71	Screws - Fasten Lens	6
	7A-7-73	Pigtail Wiring With Rubber Grommet	2
	7A-7-74	Mounting Pad	2
		<u>TURN LIGHT ASSEMBLIES (Rear)</u>	
	7C-7-104	Adapter Casting - L.H.	1
	7A-7-68	Rear Turn Light Assembly - Red	1
	7A-7-70	Lens - Red	1
	7A-7-71	Screws - Fasten Lens	3
	7A-7-73	Pigtail Wiring With Rubber Grommet	1
	7A-7-74	Mounting Pad - (Felt)	1
	7C-7-105	Adapter Casting Only - R.H.	1
	7A-7-68	Rear Turn Light Assembly - Red	1
	7A-7-70	Lens - Red	1
	7A-7-71	Screws - Fasten Lens	3
	7A-7-73	Pigtail Wiring With Rubber Grommet	1
	7A-7-74	Mounting Pad - (Felt)	1
		<u>TAIL LIGHTS L.H. & R.H.</u>	
	7C-7-103	Adapter Casting - Tail Light - L.H.	1
	7C-7-102	Adapter Casting - Tail Light - R.H.	1
	7A-7-68	Tail Light Assembly - Red Lens	2
	7A-7-70	Lens - Red	2
	7A-7-71	Screws - Fasten Lens	6
	7A-7-73	Pigtail Wiring With Rubber Grommet	2
	7A-7-74	Mounting Pad - (Felt)	2
		<u>SIDE APPROACH MARKER LIGHTS</u>	
	7A-7-103	Light Assembly - Side Approach Front - Amber	2
	7A-7-104	Light Assembly - Side Approach Rear - Red	2



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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>DRIVER'S DOME LIGHT</u> 7.0704	
	7C-7-59	Driver's Light Assembly - C/W Lens & Shield	1
	7C-7-25	Driver's Light Assembly - C/W Lens	1
	7B-7-74	Housing S/A - C/W Socket Felt & Screws	1
	7B-7-75	Housing Only - Stamped	1
	7B-7-76	Socket Tube - Brass	1
	7B-7-78	Felt Seal - Black - 3/8 X 1/4 Wide X 7 3/4 Long	1
	7B-7-80	Cover - Retaining Lens	1
	7B-7-81	Retaining Clips - Lens	3
	7B-7-82	Screw - #8 - 32 X 3/16 - Retaining Cover	2
	7B-7-83	Lens - Clear Piano Convex	1
	7C-8-32	Plate - Driver's Light Shield	1
		<u>STOP LIGHT ASSEMBLY</u>	
	7C-7-88	Adapter Casting Only - Stop Light - L.H.	1
	7C-7-89	Adapter Casting Only - Stop Light - R.H.	1
	7B-7-20	Stop Lamp Assembly - Less Adapter Casting	2
	7B-7-25	Red Lens - Stop Light	2
	7B-7-26	Lens Gasket	2
	7B-7-27	Nut - For Fastening Lens	8
	7B-7-28	Spring - Bulb Contact	2
	7B-7-84	Screw - Nut - Glass Retaining	8
	7B-7-24	Wire Assembly - Stop Light	2
	7B-7-85	Socket Bushing	2
	7B-7-86	Socket Only	2
	7B-7-87	Mounting Gasket - Lamp Body to Adapter Casting	2
	7B-7-88	Body - Stop Lamp Assembly	2
		<u>TOP CENTER CLEARANCE LIGHTS (Front)</u>	
	7C-7-24	Clearance Light Assembly - Front Top Center	3
	7B-7-31	Adapter Casting - Front Center	3
	7C-7-2	Gasket - Base - Adapter Casting	3
	7B-7-41	Lens - Front (Specify Amber)	3
	7B-7-35	Door - Lens	3
	7B-7-33	Gasket - Lens - Inner & Outer	6
	7C-12-160	Socket Assembly - Clearance Light	3
		<u>TOP CENTER CLEARANCE LIGHTS (Rear)</u>	
	7C-7-21	Clearance Light Assembly - Rear Top Center	3
	7B-7-71	Adapter Casting Rear Center	3
	7C-7-2	Gasket - Base - Adapter Casting	3
	7B-7-41	Lens - Rear (Specify Red)	3

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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>TOP CENTER CLEARANCE LIGHTS (Rear) (Cont'd)</u>	
		7.0705	
	7B-7-35	Door - Lens	3
	7B-7-33	Gasket - Lens - Inner & Outer	6
	7C-12-161	Socket Assembly - Clearance Light	3
		<u>ROOF CORNER MARKER LIGHTS</u>	
		(Specify Front or Rear)	
	7B-7-10	Roof Corner Marker Light Assembly - L.H. Front & R.H. Rear	2
	7B-7-12	Marker Lamp Casting - R.H. Rear and L.H. Front	2
	7B-7-21	Plate - Lens Mounting	2
	7B-7-22	Gasket - Lens Mounting	2
	7B-7-36	Door - Lens Adapter	2
	7B-7-37	Lens - Red or Amber	2
	7C-12-170	Socket - Shock Mounting	2
	7B-7-39	Screw - 1/4 - 20 X 4 1/2	2
	7B-7-40	Screw - 1/4 - 20 X 1 1/2	2
	7C-7-1	Gasket - Lamp Casting Base	2
	7B-7-9	Roof Corner Marker Light Assembly - R.H. Front & L.H. Rear	2
	7B-7-11	Marker Lamp Casting - R.H. Front and L.H. Rear	2
	7B-7-21	Plate - Lens Mounting	2
	7B-7-22	Gasket - Lens Mounting	2
	7B-7-36	Door - Lens Mounting	2
	7B-7-37	Lens - Red or Amber	2
	7C-12-170	Socket - Shock Mounting	2
	7B-7-39	Screw - 1/4 - 20 X 4 1/2	2
	7B-7-40	Screw - 1/4 - 20 X 1 1/2	2
	7C-7-1	Gasket - Lamp Casting Base	2
		<u>STEP LIGHT ASSEMBLY</u>	
	7A-7-105	Step Light Assembly - Front of Stepwell	1
	7A-7-106	Wire Assembly	1
	7A-7-107	Grommet - Rubber	1
	7A-7-108	Gasket - Lens	1
	7A-7-86	Lens - Clear	1
	7A-7-87	Door - Retaining Lens	1
	7A-7-88	Screw - Retaining Door	4
	7A-7-89	Pad - Body Mounting	1
		<u>FRONT SIDE TURN LIGHT</u>	
	7C-7-16	Turn Light Assembly - Side Behind Front Wheelhousing	2
	7C-7-14	Gasket - Side Turn Light	2
	7C-7-92	Turn Light Assembly - Side Behind Front Wheelhousing (Opt.)	2
	7C-7-93	Gasket - Side Turn Light (Opt.)	2

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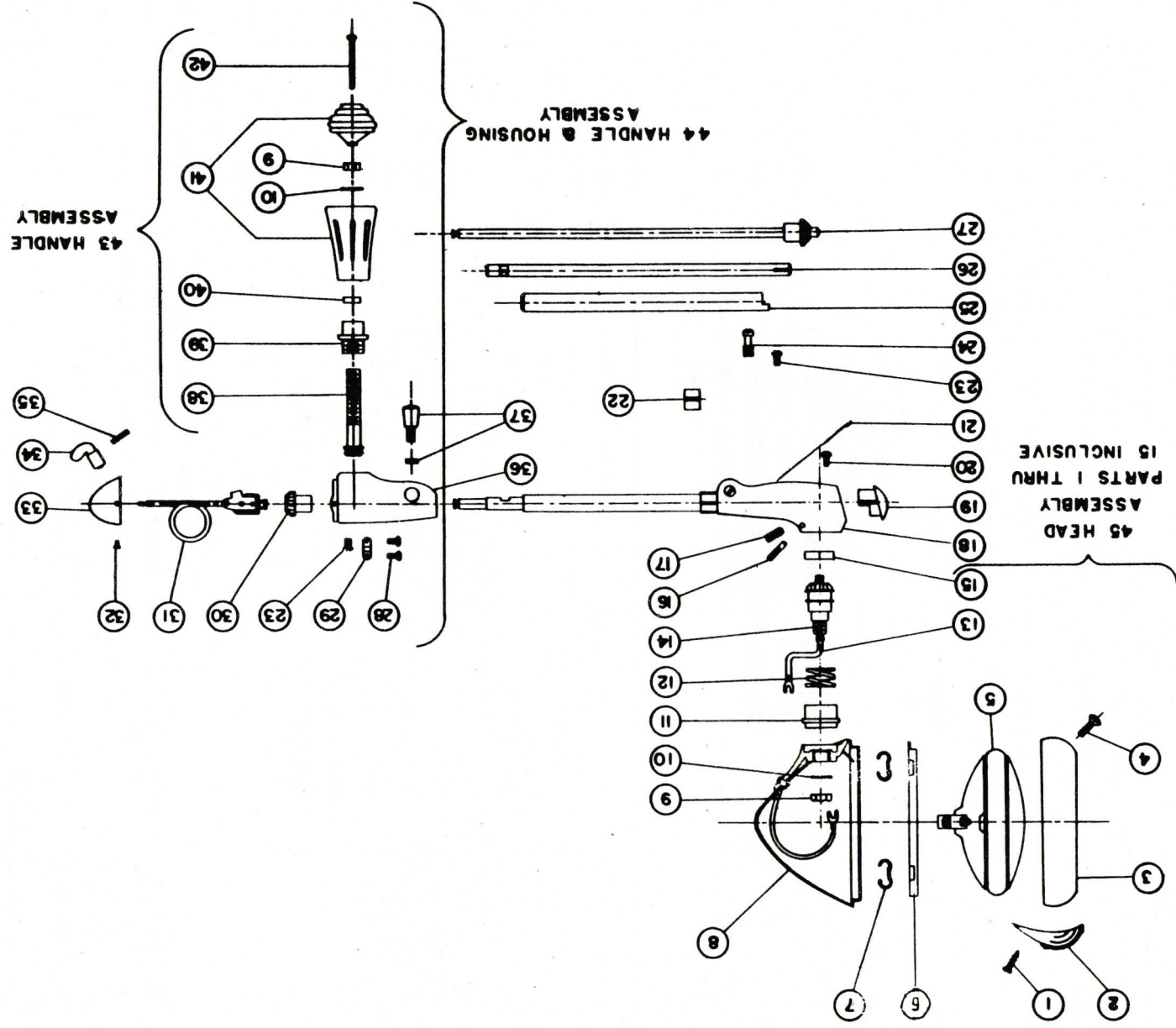


PLATE 7 - 58 - SPOTLIGHT ASSEMBLY

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KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 7-58		<u>SPOTLIGHT ASSEMBLY</u> 7.0706	
	7A-7-223	Spotlight Assembly - L.H. - Front of Driver	1
45	7A-7-224	Head Assembly - 6" Diameter - 12-Volt Includes fwg. 15 parts:	1
1	7A-7-225	Screw - Ornament	1
2	7A-7-226	Ornament - Top of Head Assembly	1
3	7A-7-227	Ring	1
4	7A-7-228	Screw - Fastening Ring	1
5	7A-7-229	G.E. #4435 - 12V - 6" Diameter - 30 Watt	1
5	7A-7-230	G.E. #4413 - 12V - 6" Diameter - 25 Watt	1
6	7A-7-231	Ring - Adapter	1
7	7A-7-232	Lockspring - Adapter Ring	2
8	7A-7-233	Shell Assembly	1
9	7A-7-234	Nut - Handle & Head Post	2
10	7A-7-235	External Lockwasher - Above Nut	2
11	7A-7-236	Bushing - Head Post	1
12	7A-7-237	Spring - Head Post	1
13	7A-7-238	Head Post Wire Assembly	1
14	7A-7-239	Head Post Assembly	1
15	7A-7-240	Felt Washer - Head Post	1
16	7A-7-241	Pin - Wedge	1
17	7A-7-242	Set Screw - Vertical Friction	1
18	7A-7-243	Light Head Mounting and Tube Assembly	1
19	7A-7-244	Plug - Head Housing	1
20	7A-7-245	Screw- Plug 4 - 36 x 5/16 O.H.	1
21	7A-7-246	Regular Head - Housing	1
22	7A-7-247	Bushing - Split	1
23	7A-7-248	Screw - Tube	1
24	7A-7-249	Locking Screw - 11/16 - Outside Tube	1
25	7A-7-250	Tube - Outside - 10 3/8 L.G.	1
26	7A-7-251	Tube - Intermediate - 12 3/8 Long	1
27	7A-7-252	Tube - Inside and Gear Assembly - 14 1/2" Long	1
44	7A-7-253	Handle and Housing Assembly - Consisting of following items:	1
28	7A-7-254	Screw - Wire Clip	2
29	7A-7-255	Clip - Wire	1
23	7A-7-248	Screw - For Switch	1
30	7A-7-256	Gear - Handle	1
31	7A-7-257	Switch Assembly - Including Wire	1
32	7A-7-258	Capscrew - Switch	1
33	7A-7-259	Cap - Switch	1



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KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 7-58		<u>SPOTLIGHT ASSEMBLY (Cont'd)</u> 7.0707	
34	7A-7-260	Toggle Assembly	1
35	7A-7-261	Toggle Screw	1
36	7A-7-262	Handle Housing	1
37	7A-7-263	Handle Wedge and Nut	1
43	7A-7-264	Handle Assembly - Includes following items:	1
38	7A-7-265	Pinion	1
39	7A-7-266	Handle Bushing	1
40	7A-7-267	Felt Washer Handle	1
41	7A-7-268	Plastic Handle	1
10	7A-7-235	External Lockwasher	1
9	7A-7-234	Nut - Handle	1
42	7A-7-269	Screw - Handle	1
	7A-7-270	Bracket - Mtg. Spotlight Assembly	1
		<u>INDIRECT LIGHTS</u>	
	7A-7-90	Indirect Light Assembly - Luggage Rack	10
	7A-7-91	Socket - Snap In	10
	7A-7-92	Lens	10
	7A-7-93	Socket and Casting Assembly	10
		<u>LAVATORY DOME LIGHT</u>	
	7C-7-69	Dome Assembly - Double Socket	1
	7C-7-26	Lens	1
	7C-7-27	Screw	2
	7C-7-28	Rim - Lens Retaining	1
	7C-7-29	Gasket - Cork	1
	7C-7-70	Body Assembly - Lavatory Dome Double Socket	1
	7C-7-31	Socket Only	1
	7C-7-32	Spring	1
	7C-7-72	Wire Assembly - Dome Light Double Connector, Non-Indexed	1
	7C-7-73	Wire Assembly - Dome Light Single Connector, Miniature	1
		<u>LAVATORY OCCUPIED LIGHT</u>	
	7A-8-126	Bracket S/A - C/W Pigtails and Bulbs	1
	7A-8-128	Bracket Only	1
	N.P.N.	Pigtails - #2506 C.H.	2
	N.P.N.	Bulbs - #1450	2
	17A-1-5	Plate - Lens Mtg.	1
	17A-1-6	Lens	1
	17C-1-34	Lens - Bilingual	1

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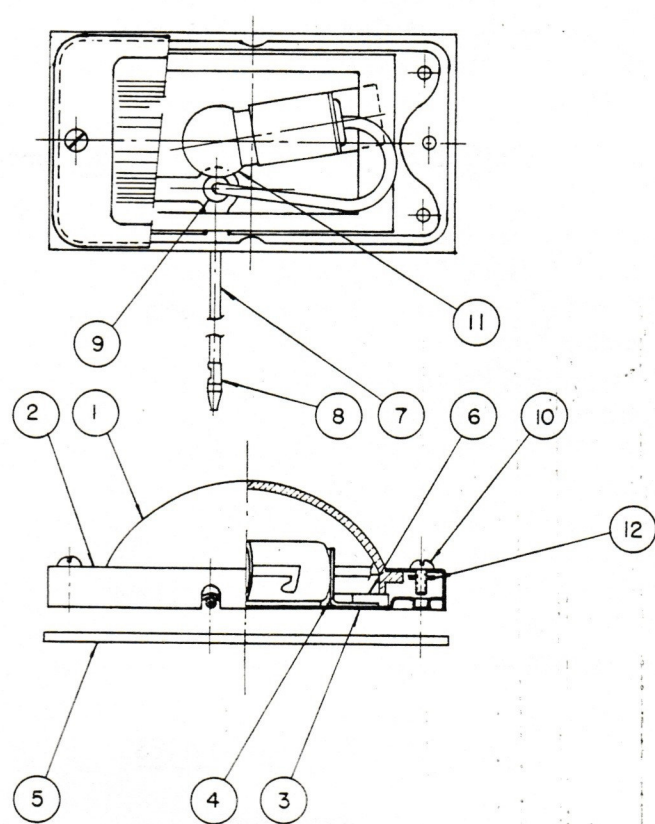
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KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>FOG LAMP ASSEMBLY</u> 7.0708	
	7C-7-34	Fog Lamp Assembly - C/W Amber Lens	2
	7C-7-35	Lens - Amber	2
	7C-7-36	Shell Assembly - Outer	2
	7C-7-37	Reflector - Inner	2
	7C-7-38	Ornament - Top	2
	7C-7-39	Ring Screw - Ring Assembly	2
	7C-7-40	Ring Nut - Ring Assembly	2
	7C-7-41	Ring Assembly	2
	7C-7-42	Screw - Ornament Retaining	2
	7C-7-43	Socket	2
	7C-7-44	Grommet - Wire Protecting	2
	7C-7-45	Wire - 6" Long	2
	7C-7-46	Terminal	2
		<u>BAGGAGE COMPARTMENT LIGHTS</u>	
	7A-7-75	Light Assembly - Complete - Baggage Compartments	4
	7A-7-76	Bracket & Guard S/A	4
	7A-7-81	Socket Only	4
	7C-7-49	Bracket S/A - Baggage Compt. Light Mounting	4
		<u>ENGINE COMPARTMENT LIGHTS</u>	
Plate 7-62	7B-7-101	Engine Compartment Light Assembly - Complete L.H.	1
	7B-7-91	Engine Compartment Light Assembly - Complete R.H.	1
	7B-7-100	Lens - Clear	2
	7B-7-99	Lens - Retainer	2
	7B-7-98	Base Plate	2
	7B-7-97	Socket Bracket	2
	7B-7-96	Mounting Gasket	2
	7B-7-95	Lens Gasket	2
	7B-7-94	Pigtail Assembly - (Note: Specify Long for L.H.)	2
	7B-7-93	Snap Terminal	2
	7B-7-92	Eyelet	2
	N.P.N.	Screw - #8 - 32 X 5/16 Round Head Slotted Machine	4
	623	Bulb	2
	N.P.N.	Washer - Flat Fibre - #8 Bolt Size	4

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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
 <u>PLATE - 7 - 62 : ENGINE COMPARTMENT LIGHTS</u>			
* Effective Prior to Coach Unit No. 5401 <u>LICENSE LAMP ASSY. - REAR</u>			
*	7A-7-136	License Plate Lamp Assembly - C/W Adapter Plate	2
*	7A-7-134	Adapter Plate - Lamp mounting	2
*	7A-7-272	Mounting Bracket & Socket Assembly	2
*	7A-7-273	Wire Assembly	2
*	7A-7-274	Contact Button	2
*	7A-7-275	Spring	2
*	7A-7-276	Washer - Rubber - Between Spring & Socket	2
*	7A-7-277	Grommet	2
*	7A-7-278	Body Assembly	2
*	7A-7-279	Screw - Body retaining	4
*	7A-7-280	Gasket - moulded rubber	2

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KEY	PART NUMBER	DESCRIPTION	QTY.
		** Effective With Coach Unit No. 5401 + Effective Prior to Coach Unit No. 5467 ++ Effective With Coach Unit No. 5467	
		<u>LICENSE LAMP ASSY. - REAR (Cont'd)</u> 7.0709	
**	7C-7-79	Casting - Inner License Plate Lamp	1
**	7C-7-80	Gasket - License Plate Lamp Castings	2
**	7C-7-81	Casting S/A - Outer License Plate Lamp	1
**	7C-7-78	Casting Only	1
**	7C-7-82	Lens - For Casting	1
**	7C-7-83	Stud - Mtg. Castings	2
**	N.P.N.	Nut - 1/4 - 20 Hex.	4
**	N.P.N.	Washer - 1/4"	4
**	7C-7-84	Spacers - For Outer Casting	2
**	7C-7-85	Socket - License Plate Lamp	1
**	7C-7-86	Socket and Wire S/A - License Plate Lamp	1
**	N.P.N.	Socket Only	1
**	N.P.N.	Pigtail Only	1
		<u>ELECTRICAL NAMEPLATES</u> 7.0801	
	7-13-290	Nameplate - Remote Control Panel	1
	7B-13-23	Nameplate - 24V Generator - Remote Control	1
	7C-8-15	Nameplate - Front-Off-Rear - Remote Control	1
	7B-13-3	Nameplate - Switch Panel	1
	7C-8-3	Nameplate - Stop Light	1
	7C-8-8	Nameplate - Fog Light	1
	7C-8-86	Nameplate - Engine Blower Door Interlock	1
+	7C-8-4	Nameplate - Circuit Breaker - A/C Compt.	1
++	7C-8-89	Nameplate - Circuit Breaker - A/C Compt.	1
	7C-8-1	Nameplate - Driver's Heater & Defroster	1
	7C-8-17	Nameplate - Coach Heat	1
	7C-8-59	Nameplate - I.C.C. Flasher	1
	7C-8-60	Nameplate - Turn Light Tell-Tale	1
	7B-13-17	Nameplate - Ventilation - Heating	1
	7B-13-18	Nameplate - R.H. Marker Lights	1
	7A-8-49	Nameplate - Caution - A/C Panel	1
	7B-8-10	Nameplate - Decal - 24 Volts	1
	7B-8-11	Nameplate - Decal - Negative Ground	1
	17C-1-30	Nameplate - Emergency Only to Signal Driver	1
	3A-1-1	Nameplate - Master Control	1
	3A-1-2	Nameplate - Starter Switch	1
	3B-1-2	Nameplate - Emergency Stop	1
	3B-1-3	Nameplate - Engine Overrule	1

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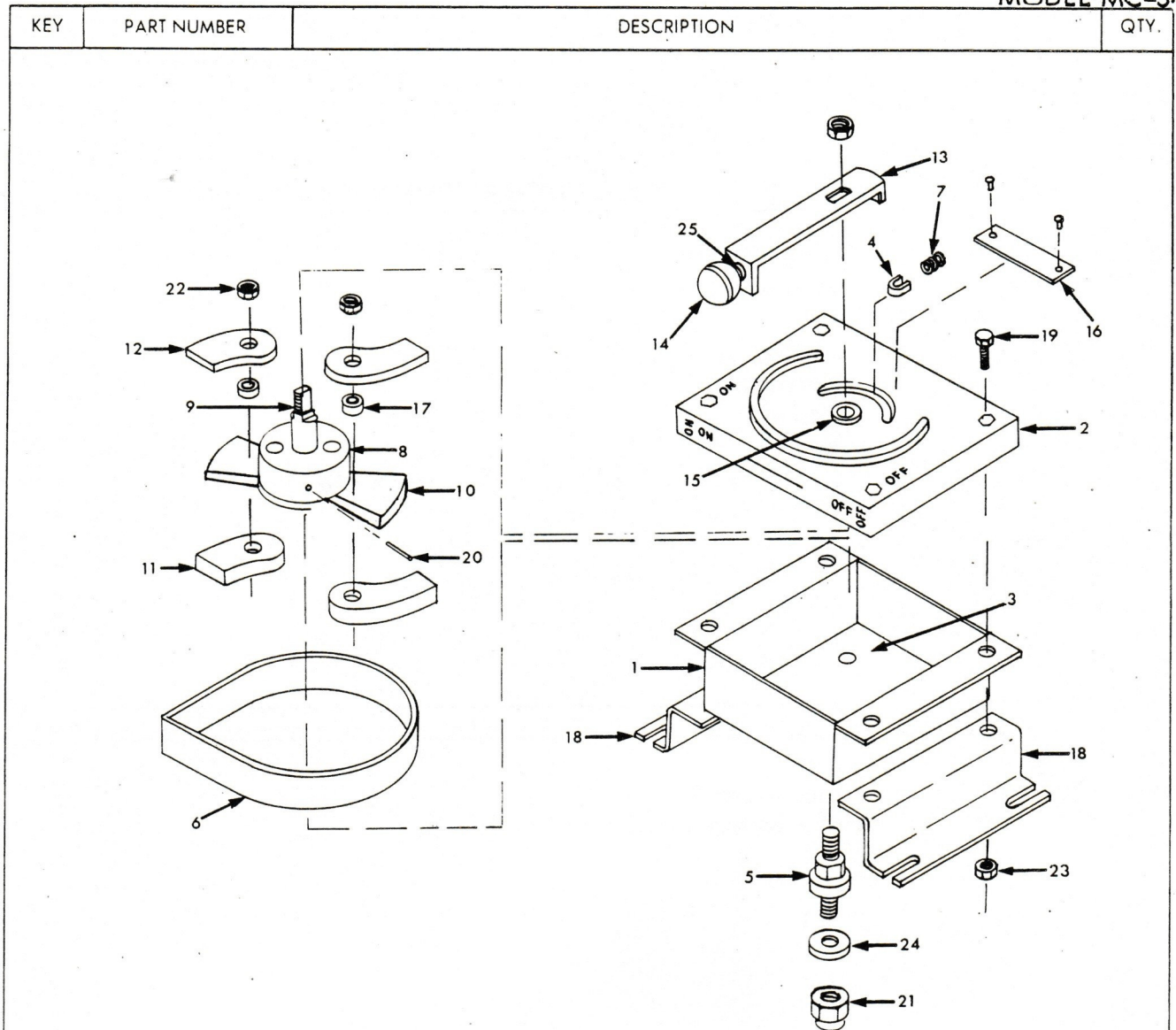


PLATE 7 - 81: BATTERY DISCONNECT SWITCH ASSEMBLY

Plate 7-81	DISCONNECT SWITCH ASSEMBLY		7.0804
	7C-8-30	Disconnect Switch Assy.	1
1	7C-8-149	Housing	1
2	7C-8-150	Cover	1
3	7C-8-151	Base	1
4	7C-8-152	Spring Clip	1
5	7C-8-153	Contact Stud - 1/2" - 13	1
6	7C-8-154	Lining	2
7	7C-8-155	Spring	1
8	7C-8-156	Hub	1
9	7C-8-157	Shaft	1
10	7C-8-158	Contact - Rotary	1
11	7C-8-159	Contact - Stationary	2

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KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 7-81			
		<u>DISCONNECT SWITCH ASSEMBLY (Cont'd) 7.0802</u>	
12	7C-8-160	Pressure Plate	2
13	7C-8-161	Handle	1
14	7C-8-162	Knob	1
15	7C-8-163	Bushing	1
16	7C-8-164	Nameplate	1
17	7C-8-165	Washer	2
18	7C-8-166	Bracket	2
	7C-8-167	Carriage Bolt - Handle Knob 1/4 - 20 x 1/2"	1
	7C-8-168	Spring - Hub	2
19	7C-8-169	Cap Screw - Hex. Hd. 1/4" - 20 x 1"	4
20	7C-8-170	Roll Pin - 1/8" Dia. x 1 1/4" Lg.	1
	7C-8-171	Rivet - Hub	2
21	7C-8-172	Stop Nut - Elas. - 1/2" - 13	2
22	7C-8-173	Stop Nut - Elas. - 3/8" - 16	2
23	7C-8-174	Stop Nut - Elas. - 1/4" - 20	4
	7C-8-175	Rivet - Base	10
24	7C-8-176	Washer	2
25	7C-8-177	Lockwasher 1/4" - 20	1
*	7B-8-153	Panel - Battery Disconnect Switch Cover	1



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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>MISCELLANEOUS ELECTRICAL</u>	
*	7C-8-104	Switch - Head Light Dimmer	1
*	7C-8-104	Switch - Fog Lights	1
*	7C-8-105	Block - Fibre, Mtg. Head Light & Fog Light Switches	1
*	7C-8-106	Housing S/A - Mtg. Head Light & Fog Light Switches	1
		* NOTE: On Coaches Prior to Unit No. 5745 Replace above Switches, Block and Housing Simultaneously.	
	7A-13-153	Switch - Starter, Front	1
	7F-8-72	Switch - Master Control (Toggle)	1
	7C-8-108	Switch - Master Control (Key-Operated)	1
	7A-8-34	Switch - Emergency Stop	1
	7A-8-36	Switch - Engine Overrule	1
	7B-8-34	Guard - Emerg. Stop & Eng. Overrule Switches	2
	7C-8-56	Switch - I.C.C. Flasher	1
	7C-8-30	Switch - Battery Disconnect	1
	3C-36-52	Post - Battery Disconnect Switch Mtg.	1
	7C-8-31	Shim - Switch Mtg.	1
	7C-8-29	Panel - Plywood, Behind Battery Disconnect Switch	1
	7C-13-133	Tell-Tale Cluster Light Assy., Less Bulbs & Sockets	1
	7B-8-15	Socket - "NOT GEN." Tell-Tale	1
	7B-8-15	Socket - "LOW OIL" Tell-Tale	1
	7B-8-14	Socket - "B. U. LITE" Tell-Tale	1
	7B-8-15	Socket - "HOT ENG." Tell-Tale	1
	7B-8-15	Socket - "LOW AIR" Tell-Tale	1
	7B-8-14	Socket - "LAV. EMERG." Tell-Tale	1
	7B-8-14	Socket - "EMERG. BRAKE" Tell-Tale	1
	7C-8-58	Tell-Tale Light Assy. - Turnlight	1
	7C-8-57	Tell-Tale Light Assy. - I.C.C. Flasher	1
	7A-8-144	Tell-Tale Light Assy. - Stop Light (Red Lens)	1
	7A-8-144	Tell-Tale Light Assy. - Fog Light (Amber Lens)	1
	7B-8-14	Socket - Turn Light Tell-Tale	1
	7B-8-14	Socket - I.C.C. Flasher Tell-Tale	1
	7B-8-14	Socket - Stop Light Tell-Tale	1
	7B-8-14	Socket - Fog Light Tell-Tale	1
	7A-7-208	Socket - Dest. Sign Lights	1
	7A-7-91	Socket - Indirect Lights	1
	7A-7-91	Socket - Bagg. Compt. Lights	1
	7A-8-87	Switch - Passenger Pull Cord	2
	7C-8-43	Micro Switch - Lavatory Door	1
	7C-8-44	Actuator - Lavatory Door Switch	1
	7C-8-71	Bracket Assy. - Lavatory Door Switch	1
	7C-8-46	Angle - Switch Mtg. & Actuator Stop	1
	7A-8-91	Micro Switch - Step Light	1

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KEY	PART NUMBER	DESCRIPTION	QTY.
<u>MISCELLANEOUS ELECTRICAL (Cont'd)</u>			
	7A-8-91	Micro Switch - Bagg. Door	4
	7A-8-90	Actuator - Step Light Switch	1
	7A-8-90	Actuator - Bagg. Door Switch	4
	7A-8-96	Micro Switch - Entrance Door Air Lock	1
	7A-8-163	Actuator - Air Lock Switch	1
	7C-8-55	Switch - Turn Signal Light	1
	7C-8-90	Switch - Blower Door Interlock	2
	8C-28-11	Switch - 3-lb. Low Oil Pressure	1
	8C-28-1	Telatemp - Engine Over Heat	1
	7B-8-23	Fire Detector - 350 deg. setting	2
	7B-8-114	Sending Unit - Water Temperature	1
	8A-28-1	Sending Unit - Oil Pressure	1
	9B-6-27	Sending Unit - Fuel Level	1
	7C-13-135	Gauge - Water Temperature	1
	7C-13-136	Gauge - Oil Pressure (On Dash)	1
	7C-13-137	Gauge - Fuel Level	1
	7C-13-134	Gauge - Air Pressure, C/W Mtg. Clamp	1
	7C-13-123	Shroud - Fuel Gauge Anti-Glare	1
	7C-13-124	Shroud - Oil and Water Gauge Anti-Glare	1
	7C-13-125	Shroud - Air and Speedo Gauge Anti-Glare	2
<u>JUNCTION BLOCKS & STUDS</u>			
	7B-8-115	Junction Block - 8 Stud "P" Series - Motor Cradle	1
	7B-8-115	Junction Block - 8 Stud "P" Series - Remote Panel	2
	7B-8-115	Junction Block - 8 Stud "P" Series - L.H. Rear Roof	1
	7B-8-116	Junction Block - 5 Stud "P" Series - Headlight Truss	1
	7B-8-116	Junction Block - 5 Stud "P" Series - R.H. Rear Roof	1
	7B-8-117	Stud Assembly - Single - Battery Stud	1
	7B-8-17	Stud Assembly - Feed Thru - 3/8 - 16 X 2 5/8 Long - Evaporator Motor & Rear Box	3
<u>CONNECTORS & PLUGS</u>			
	7B-8-24	Flanged Connector & Plug - Aisle Lights	A.R.
	7B-8-29	Spring - Flasher Retainer	A.R.
	7B-8-26	Flasher Socket - 3 Pin	A.R.
	7A-8-132	Line Connectors - Connects 2 Wires	A.R.
	7B-8-31	Snap Terminals - Bullet Type - 14 to 16 Gauge Wire	A.R.
	7B-8-32	Triple Line Connectors - Connects 6 Wires	A.R.

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MODEL MC-5A

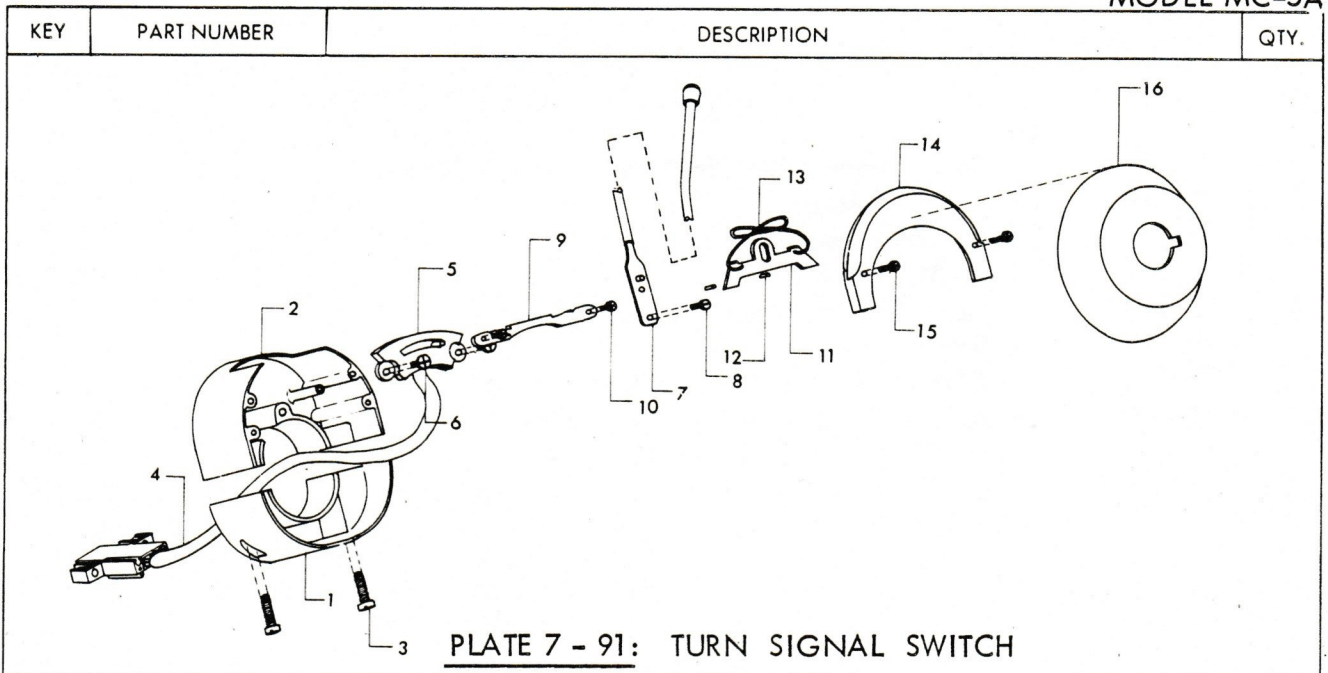


Plate 7-91	TURN SIGNAL SWITCH			7.0806
	7C-8-204	Turn Signal Switch Assy.		1
	7C-8-205	Housing & End Cover Assy.		1
1	7C-8-179	Housing		1
2	7C-8-180	End Cover		1
3	7C-8-193	Screw - Clamp, 1/4 - 20 x 7/8		2
4	7C-8-215	Switch & Cable Assy.		1
5	7C-8-206	Switch Only		1
6	7C-8-187	Screw - Switch, # 6 - 32 x 3/8		2
7	7F-8-47	Lever S/A		1
	7C-8-207	Lever Only		1
	7C-8-208	Pin - Operating		1
	7F-8-44	Tubing - Lever Extension		1
	7F-8-45	Rubber Cap		1
8	7C-8-184	Screw - Lever Pivot W/Shoulder		1
9	7C-8-185	Plate - Detent		1
10	7C-8-186	Screw - Detent, # 6 - 32 x 5/16		1
	7C-8-112	Plate Assy.		1
11	7C-8-188	Plate - Operating		1
12	7C-8-189	Roller - Detent		2
13	7C-8-190	Spring		1
14	7C-8-191	Cover - Housing		1
15	7C-8-209	Screw - Cover, # 6 - 32 x 1/2		2
16	7C-8-210	Cancelling Plate S/A		1
	7C-8-211	Cancelling Plate Only		1
	7C-8-212	Cover Plate		1
	7C-8-213	Stud		1
	7F-12-85	Extension Plug - Tumlight Switch Harness		2

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MODEL MC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>SPEEDOMETER - MAGNET DRIVEN</u>	
	7F-8-7	Speedometer Kit - Front Wheel Magnet Drive	1
	7F-8-8	Head Assy.	1
	7F-8-9	Cable Assy.	1
	7F-8-10	Magnet & Holder	1
	7F-8-4	Hose - Protecting Harness at Axle	1
	7F-8-1	Bracket - At Brake Chamber	1
	7F-8-5	Clamp - At Knuckle Pin Cap	1
	3F-1-1	Bracket - Mtg. Pill Box Under Dash	



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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>SENDING UNIT ASSEMBLY</u>	
	7B-8-41	Sending Unit Assembly - Speedometer	A.R.
	7B-8-42	Ball Bearing	"
	7B-8-43	Brush - Rotor	"
	7B-8-44	Brush & Brush Holder Assembly (Cover - Positive Terminal)	"
	7B-8-45	Brush & Terminal Assembly	"
	7B-8-46	Brush & Terminal Assembly - (Housing - Ground Terminal)	"
	7B-8-47	Cover - Housing	"
	7B-8-48	Gasket - Brush Holder & Cover	"
	7B-8-49	Gasket - Housing & Plug	"
	7B-8-50	Gasket - Housing & Ground Terminal	"
	7B-8-51	Gasket - Resistor Ring (Housing & Cover)	"
	7B-8-52	Housing	"
	7B-8-53	Liner - Insulator	"
	7B-8-54	Lockwasher - Housing & Cover Screw	"
	7B-8-55	Lockwasher - Housing & Terminal	"
	7B-8-56	Nut - Housing & Ground Terminal	"
	7B-8-57	Ring & Plug Assembly - Resistor	"
	7B-8-58	Resistor Assembly	"
	7B-8-59	Insulator Ring	"
	7B-8-60	Plug Assembly	"
	7B-8-61	Insulating Sleeve	"
	7B-8-62	Screw - Brush & Rotor Connection	"
	7B-8-63	Screw - Housing & Cover	"
	7B-8-64	Screw - Set - Housing & Plug	"
	7B-8-65	Screw - Set - Brush Holder	"
	7B-8-66	Seal - Oil - Rotor Shaft	"
	7B-8-67	Shaft and Rotor Assembly	"
	7B-8-68	Spring - Rotor Brush	"
	7B-8-69	Washer - Brush and Rotor Screw (Brass)	"
	7B-8-70	Washer - Bearing Dust (Brass)	"
	7B-8-71	Washer - Bearing Dust (Wool, Felt)	"
	7B-8-72	Washer - Housing and Terminal (Fibre)	"
	7B-8-73	Washer - Cover and Oil Seal	"
	7C-8-75	Tension Spring - Speedo Sender Drive	1
	7C-8-81	Sending Unit Assembly - Electronic (Spec. Option)	1
	7C-8-82	Drive Key - Electronic Speedo (Spec. Option)	1
*	7C-8-18	Bracket S/A - Speedometer Sending Unit Mounting	1
**	7C-8-123	Bracket - Speedometer Sending Unit Mounting	1
* Replace With ** When 3.7 Rear Axle Is Used			

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KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>SPEEDOMETER HEAD ASSEMBLY</u>	
	7C-8-62	Speedometer Head Assembly	1
	7B-8-78	Bearing - Field Coil End	1
	7B-8-79	Bearing - Magnet End	1
	7B-8-80	Bushing - Second Worm Retainer	1
	7B-8-81	Case and Bezel Assembly	1
	7B-8-82	Coil Assembly - Field	1
	7B-8-83	Cup - Speed	1
	7B-8-84	Dial	1
	7B-8-85	Frame and Int. Gear Assembly	1
	7B-8-86	Gasket - Frame to Motor Housing	1
	7B-8-87	Gasket - Receptacle	1
	7B-8-88	Housing - Motor	1
	7B-8-89	Lockwasher - Receptacle Screw	4
	7B-8-90	Lockwasher - Stud	2
	7B-8-91	Nut - First Worm Elastic Stop	1
	7B-8-92	Odometer Assembly	1
	7B-8-93	Plate - Field	1
	7B-8-94	Plate - Jewel	1
	7B-8-95	Plug - Sealing	1
	7B-8-96	Pointer Assembly	1
	7B-8-97	Receptacle - 4 Pin	1
	7B-8-98	Retainer - Bearing	1
	7B-8-99	Retainer - Odometer Shaft	1
	7B-8-100	Rotor Assembly	1
	7B-8-101	Screw - Bearing Retainer	2
	7B-8-102	Screw - Case to Frame Mounting	6
	7B-8-103	Screw - Dial	2
	7B-8-104	Screw - Field Plate	2
	7B-8-105	Screw - Jewel Plate	2
	7B-8-106	Screw - Receptacle	4
	7B-8-107	Sleeve - Insulating	4
	7B-8-108	Stud - Motor Housing to Frame	2
	7B-8-109	Washer - Speed Cup	1
	7B-9-110	Washer - Stud	2
	7B-8-111	Worm and Magnet Assembly - First	1
	7B-8-112	Worm - Second - Miles	1
	7B-8-113	Worm - Second - Miles	1
	7B-8-30	Clamp - For Speedometer Head	1
	7C-8-80	Speedometer Head Assembly - Electronic (Spec. Option)	1
		<u>TACHOGRAPH</u>	
	7C-8-63	Tachograph Head Assembly	1



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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
<u>ELECTRIC SPEEDOMETER CABLE ASSEMBLY</u>			
	7C-8-100	Cable S/A - Speedometer Drive (3.36 Axle)	1
	7C-8-101	Cable Only - Speedometer Drive	1
	7C-8-102	Tip - Male Speedometer Drive Cable	1
	7C-8-103	Tip - Female Speedometer Drive Cable	1
	7C-8-22	Extension S/A - Casing Speedometer Cable C/W Nuts	1
	7C-8-76	Adapter - Between Cables 1.1:1 Ratio (3.70 Axle)	1
	7B-8-146	Tip - Adapter Drive (3.70 Axle)	1
	7C-8-124	Cable - Speedometer Drive (3.70 Axle)	1
	7C-8-82	Drive Key - Electronic Speedo Sender	1
<u>TACHOGRAPH CABLE</u>			
	7C-8-125	Housing & Cable Assy. - Front	1
	7C-8-126	Housing & Cable Assy. - Rear	1
	7C-8-130	Conduit Tube S/A - Tachograph Cable	1
	7C-8-129	Bracket - Mtg. Conduit Tube	1
	7C-8-142	Reversing Angle Drive - Trans. End	1
	7B-8-146	Tip - Angle Drive End	1
	7C-8-76	Adapter - Between Cables 1.1:1 Ratio (3.70 Axle)	1
<u>BATTERY AND CABLES</u>			
	7B-9-1	Battery - 25 Plate - 204 Amp.	2
	7F-9-3	Battery Connector - Battery Compartment Wall	1
	7F-9-4	Plate - Connector Retaining	1
	7B-9-3	Battery Cable - 30" Long - Positive Upper - Red	1
	7B-9-4	Battery Cable - 30" Long - Negative Upper - White	1
	7B-9-5	Battery Cable - 30" Long - Positive - Lower - Red	1
	7B-9-6	Battery Cable - 30" Long - Negative - Lower - White	1
	7C-9-1	Cable S/A - Grounding From Battery Ground Stud to Power Strg.	1
	7C-9-2	Stud S/A - Battery Ground on P.S. Lines	1
	3C-44-77	Stud S/A - Battery Gr. Rear of Battery Compt.	1
<u>LIGHT BULBS & LOCATIONS (24 Volt)</u>			
<u>EXTERIOR LIGHTS</u>			
	1271	Fog Lights	2
	4619	Headlights (Inner)	2
	4624	Headlights (Outer)	2
	1203	Turn Signal Lights	6
	1203	Stop Lights	2
	1691 1F	Destination Sign Lights	5
	623	Tail Lights	2

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KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>LIGHT BULBS & LOCATIONS (24-Volt) (Cont'd)</u>	
	623	Rear License Lamps	2
	1251	Center Marker Lights	6
	1251	Corner Marker Lights	4
	4880	B.U. Light (Sealed Beam)	1
	1271	B.U. Light (Bulb Type)	1
		<u>TELL-TALE LIGHTS</u>	
	1450	Heat on	1
	313	Air Conditioning	1
	313	Low Oil	1
	313	Not Generating	1
	313	Emergency Brake	1
	313	Lavatory Emergency	1
	313	Low Air	1
	313	Hot Engine	1
	313	B.U. Lite	1
	313	High Beam	1
	1450	I.C.C.	1
	1450	Fog Light	1
	1450	Stop Light	1
	1450	Turn Light	1
	313	Gen. Discharge (Remote Control Panel)	1
	1450	Lav. Occupied Sign	2
	313	Blower Door Open Warning	1
		<u>INTERIOR LIGHTS</u>	
	1638	Lavatory Main Light	1
	1495	Lavatory Night Light	1
	1203	Baggage Comp. Lights	4
	1691 1F	Reading Lights	36
	1203	Driver's Light	1
	1691 1F	Indirect Lights	20
	623	Step Light	1
	623	Engine Comp. Lights	2
	313	Instrument Panel Lights	3
	1251	Aisle Lights	4
	1251	Running Lights	2
	15617	Tachograph	2



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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>LIGHT BULBS & LOCATIONS (24-Volt)(Cont'd) 7.1002</u>	
		<u>TELL-TALE LIGHTS</u>	
	1450	Heat on Tell-Tale	1
	313	Air Conditioning	1
	313	Low Oil	1
	313	Not Generating	1
	313	Emergency Brake	1
	313	Lavatory Emergency	1
	313	Low Air	1
	313	Hot Engine	1
	313	B. U. Lite	1
	313	High Beam	1
	1450	I.C.C.	1
	1450	Fog Light Tell-Tale	1
	1450	Stop Light Tell-Tale	1
	1450	Turn Light Tell-Tale	1
	313	Gen. Discharge (Remote Control Panel)	1
	1450	Lav. Occupied Sign	2

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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>ROOF HARNESSSES</u> 7.1201	
		* Effective Prior to Coach Unit No. 5441	
		** Effective With Coach Unit No. 5441	
	7C-12-161	Harness - Rear Marker Lamp - From Lamp Socket to Ground Screw & Connector on Roof Harness - 2 Wire; 12" Long	1
	7C-12-160	Harness - Front Marker Lamp - From Lamp Socket to Connectors on Roof Harness - 2 Wire; 12" Long	1
	7C-12-79	Harness - Front Marker - From Roof Harness to Front Marker Lights - 5 Branch; 172" Long	1
	7C-12-170	Harness - Clearance Lamp - From Lamp Socket to Ground Screw and Connector on Roof Harness - 2 Wire; 8" Long	1
	7C-12-81	Harness - Speaker - From Jctn. Box to Speaker Locations - 2 Wire; 575" Long	1
	7C-12-61	Harness - Indirect Lights - From Disconnect Plug to Lamps in Parcel Racks - 2 Wire; 322" Long	1
*	7B-12-45	Harness - Dest. Sign - From Lamp Sockets to Connectors on Roof Harness - 4 Branch; 43" Long	1
**	7C-12-224	Harness - Dest. Sign - From Lamp Sockets to Connectors on Roof Harness - 4 Branch; 43" Long	1
	7C-12-60	Harness - L.H. Reading Lights - From Disconnect Socket to Reading Lights - 9 Branch; 327" Long	1
	7C-12-59	Harness - R.H. Reading Lights - From Disconnect Socket to Reading Lights - 9 Branch; 321" Long	1
	7C-12-127	Harness - Rear Marker - From Rear Roof Harness to Rear Marker Lights and Lavatory - 5 Wire; 150" Long	1
	7C-12-83	Harness - Rear Roof - From Rear Jctn. Box to Rear Marker Harness - 5 Wire; 142" Long	1
	7C-12-218	Harness - Front Roof - From Front Jctn. Box to Front Marker Harness, Driver's Lamp and L.H. & R.H. Parcel Rack Harnesses - 12 Wire; 200" Long	1
	7C-12-279	Harness - Tape Recorder (Spec. Option) From Front of Luggage Rack to Front Jctn. Box - 4 Wire; 10" Long	1
		<u>FRONT END HARNESSSES</u>	
	7C-12-69	Harness - Headlight - From Circuit Breaker to Head Lamp Junction Block on R.H. Side - 5 Wire; 80" Long	1
	7B-12-46	Harness - Step Light - From Head Lamp Jctn. Block to Step Light Micro Switch - 3 Wire; 58" Long	1
	7C-12-211	Harness - Dimmer and Selector Switch - From Circuit Breakers to Dimmer and Selector Switch - 3 Wire; 44" Long	1
	7C-12-157	Harness - Front Auxiliary - From Front Jctn. Box to Components in Tire Compt. - 17 Wire; 100" Long	1



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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
		+ Effective Prior to Coach Serial No. 5364 ++ Effective With Coach Serial No. 5364 ## Effective With Coach Unit No. 5467 x Effective Prior to Coach Unit No. 5401 xx Effective With Coach Unit No. 5401	
		<u>FRONT END HARNESSES (Cont'd)</u> 7.1202	
+	7C-12-141	Harness - Side Turnlight - From A/C Jctn. Box to A/C Safety Switch, Fuel Gauge, R.H. & L.H. Turnlights - 6 Wire; 150" Long	1
++	7C-12-228	Harness - Side Turnlight - From A/C Jctn. Box to A/C Safety Switch, Fuel Gauge, R.H. & L.H. Turnlights - 6 Wire; 150" Long	1
##	7C-12-270	Harness - Side Turnlight - From A/C Jctn. Box to A/C Safety Switch, Fuel Gauge, R.H. & L.H. Turnlights - 6 Wire; 150" Long	1
	7C-12-119	Harness - Parking Brake Switch - From Stop Light Switch to Park Brake Fast Idle Safety Switch - 3 Wire; 12 1/2" Long	1
x	7C-12-205	Harness - Switch Panel - From Front Jctn. Box to Switch Panel 31 Wire; 50" Long	1
xx	7C-12-261	Harness - Switch Panel - From Front Jctn. Box to Switch Panel 34 Wire; 50" Long	1
	7C-12-201	Harness - Line Flasher - From Front Jctn. Terminals to the Line Flashers - 5 Wire; 20" Long	1
	7C-12-159	Harness - Turnlight Switch - From Front Jctn. Box to Terminal Block Under Dash - 6 Wire; 65" Long	1
	7C-12-202	Harness - Alarm Control Rectifier - From Alarm Rectifier in Front Jctn. Box to Studs on Front Jctn. Panel - 4 Leads; 12" Long	1
	7C-12-203	Harness - Alarm Control - From Studs and Circuit Breakers to Alarm Components in Front Jctn. Box - 6 Wire; 30" Long	1
	7C-12-200	Harness - Circuit Breaker Feeder - From Studs on Front Jctn. Panel to Circuit Breakers in Front Jctn. Panel - 2 Wire; 30" Long	1
	7A-12-280	Harness - Speedometer Front - From Speedometer Head to Front Jctn. Box - 4 Wire; 63" Long	1
	7C-12-158	Harness - Instrument Panel - From Inst. Panel to Front Jctn. Box - 26 Wire; 80" Long	1
	7C-12-209	Harness - Turn Light Switch Extension Plug - From Jctn. Block Under Dash to Disconnect Plug on Switch Harness - 3 Wire; 8" Long	1
	7C-12-163	Harness - Horn Feed - From Relay to Horns - 2 Wire; 15" Long	1
	7B-12-48	Harness - Speaker Extension - From Terminal Block in Front Jctn. Box to P.A. Amplifier - 2 Wire; 20" Long	1
	7B-12-89	Harness - P.A. Amplifier Feed - From Terminal Block in Front Jctn. Box to P.A. Amplifier - 2 Wire; 26" Long	1

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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
		# Effective Prior to Coach Unit No. 5467 ## Effective With Coach Unit No. 5467 * Effective Prior to Coach Unit No. 5639 ** Effective With Coach Unit No. 5639.	
		<u>FRONT END HARNESSES (Cont'd)</u> 7.1203	
	7C-12-245	Harness - Front Electronic Speedo - From Front Jctn. Box to Electronic Speedo Head - 2 Wires; 65" Long C/W Loom	1
	7C-12-90	Socket Assembly - Electronic Speedo Head Illuminator - 2 Wires; 7" Long	1
	7C-9-1	Cable - Auxiliary Ground - From Brkt. on Power Steering Lines to Ground Stud in Battery Compartment - 2/0 Cable; 38 1/2"	
		<u>HEATING & AIR CONDITIONING HARNESSES</u>	
*	7B-12-49	Harness - Driver's Heater and Defroster - From Jctn. Block Under Dash to Jctn. Block Inside Assy. - 3 Wire; 36" Long	1
	7C-12-68	Harness - Thermostat (On Coaches W/O A/C) From Thermostat to A/C Jctn. Box - 2 Wire; 96" Long	1
	7C-12-199	Harness - Driver's Heater - From Front Jctn. Box to Driver's Heater and Door Latch Under Dash - 5 Wire; 70" Long	1
#	7C-12-71	Harness - Thermostat (On A/C Equipped Coaches) From Thermostat to A/C Jctn. Box - 4 Wire; 88" Long	1
##	7C-12-272	Harness - Thermostat (On A/C Equipped Coaches) From Thermostat to A/C Jctn. Box - 5 Wire; 66" Long	1
	7B-12-26	Cable - Condenser Motor Ground - From Condenser Motor to Ground Stud - 3 Ga.; 21" Long	1
	7B-12-266	Cable - Condenser Motor Feed - From Magnetic Switch to Condenser Motor - 3 Ga.; 61" Long	1
	7C-12-204	Harness - Driver's Heater Rheostat - From Rheostats to Terminal Block in Front Jctn. Box - 3 Wire; 35" Long	1
**	7C-12-288	Harness - Driver's Heater and Defroster - From Jctn. Block Under Dash to Jctn. Block In Assy. - 3 Wire; 36" Long	1
		<u>LOWER FRAME HARNESSES</u>	
#	7C-12-65	Harness - Bagg. Compt. Lights - From A/C Jctn. Box to Bagg. Compt. Lights - 1 Wire; 200" Long	1
##	7C-12-271	Harness - Bagg. Compt. Lights - From A/C Jctn. Box to Bagg. Compt. Lights - 1 Wire; 200" Long	1
	7C-12-63	Cable - Main Battery - From Pos. Term. in Battery Compt. to Engine Compt. Jctn. Block - 4/0 Cable; 24' 4" Long	1
#	7C-12-70	Cable - Front Panel Feed - From A/C Box to Front Jctn. Box 3 Ga.; 17' 8" Long	1
##	7C-12-267	Cable - Front Panel Feed - From A/C Box to Front Jctn. Box 3 Ga.; 15' 2" Long	1
#	7C-12-64	Cable - A/C Box Feed - From Battery Switch to A/C Box - 1/0 Cable; 118" Long	1



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SECTION: 7-ELECTRICAL

GROUP: 7.12

MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
x		Effective Prior to Coach Unit No. 5401	
xx		Effective With Coach Unit No. 5401	
#		Effective Prior to Coach Unit No. 5467	
##		Effective With Coach Unit No. 5467	
*		Effective Prior to Coach Unit No. 5441	
**		Effective With Coach Unit No. 5441	
		<u>LOWER FRAME HARNESSSES (Cont'd)</u>	7.1204
##	7C-12-268	Cable - A/C Box Feed - From Battery Switch to A/C Box 1/0 Cable; 82 1/2" Long	1
x	7C-12-62	Harness - Main - From Front Jctn. Box to A/C Jctn. Box to Rear Jctn. Box - 55 Wire; 39' Long	1
xx	7C-12-234	Harness - Main - From Front Jctn. Box to A/C Jctn. Box to Rear Jctn. Box - 55 Wire; 39' Long	1
##	7C-12-273	Harness - Main - From Front Jctn. Box to A/C Jctn. Box to Rear Jctn. Box - 55 Wire; 39' 4" Long	1
#	7B-12-24	Harness - Aisle Light - From A/C Jctn. Panel to Quick Disconnect Sockets - 4 Wire; 246 1/2" Long	1
##	7C-12-265	Harness - Aisle Light - From A/C Jctn. Panel to Quick Disconnect Sockets - 4 Wire; 273" Long	1
	7C-12-232	Harness - "Expello" Moisture Ejector Valve Feed - From Valve to A/C Jctn. Box	1
	7C-12-149	Harness - "Graham White" Moisture Ejector Valve Feed - From Rear Jctn. Box to Solenoid Valve - 2 Wire; 30" Long	1
	7C-12-21	Cable - Battery Switch - From Pos. Terminal Block to Battery Switch 4/0 Cable; 18" Long	1
	7C-12-3	Cable - Evaporator Motor Ground From Motor Ground Terminal to Motor Base Plate - 4 Ga. Cable; 30" Long	1
#	7B-12-27	Harness - Evaporator Motor (Interior) - 4 Ga. Cable & 16 Ga. Wire; 24" Long	1
##	7C-12-269	Harness - Evaporator Motor (Interior) - 4 Ga. Cable & 16 Ga. Wire; 55" Long	1
		<u>ENGINE COMPARTMENT HARNESSSES</u>	
*	7C-12-145	Harness - Rear Auxiliary - From Remote Control Box to R.H. Side of Engine Compartment - 12 Wire; 155" Long	1
**	7C-12-258	Harness - Rear Auxiliary - From Remote Control Box to R.H. Side of Engine Compartment - 12 Wire; 155" Long	1
	7C-12-104	Harness - Rear Jctn. Box Feeder - From Rear Jctn. Box to R.H. Side Engine Compt. Bulkhead - 4 Wire and 1 cable; 79" Long	1
x	7C-12-42	Jumper - License Plate Lamp R.H.- 1 Wire; 20" Long	1
xx	7C-12-239	Harness - License Plate Lamp R.H.- 2 Wire; 24" Long	1
x	7C-12-41	Jumper - License Plate Lamp L.H. - 1 Wire; 34" Long	1

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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
		x Effective Prior to Coach Unit # 5401 xx Effective With Coach Unit # 5401	
		<u>ENGINE COMPARTMENT HARNESSSES (Cont'd)</u> 7.1205	
xx	7C-12-240	Harness - License Plate Lamp L.H. - 2 Wire; 33" Long	1
	7C-12-254	Harness - Engine Blower Door Interlock - From Remote Control Panel to Engine Blower Door Interlock Switches - 2 Wire; 70" Long C/W Conduit.	1
	7C-12-171	Harness - Regulator - From Regulator to Rear Jctn. Box - 3 Wire; 65" Long	1
	7C-12-92	Harness - Engine Cradle Plug - From Disconnect Plug to Rear Jctn. Box - 11 Wire; 22" Long	1
	7C-12-93	Harness - Rear Speedometer Plug - From Disconnect Plug to Rear Jctn. Box - 5 Wire; 7" Long	1
	7C-12-128	Harness - L.H. Turn, Stop and Tail Lamps - From Remote Control Panel to Left Rear Lamps - 4 Wire; 30" Long	1
x	7B-12-50	Harness - Remote Control Box - From Rear Jctn. Box to Remote Control Box - 23 Wire; 120" Long	1
xx	7C-12-238	Harness - Remote Control Box - From Rear Jctn. Box to Remote Control Box - 23 Wire; 120" Long	1
x	7C-12-221	Harness - Rear Jctn. Box Ground - From Relays to Ground Stud in Jctn. Box - 6 Lead; 37" Long	1
xx	7C-12-223	Harness - Rear Jctn. Box Ground - From Relays to Ground Stud in Jctn. Box - 7 Lead; 40 3/4" Long	1
	7C-12-107	Harness - Speedometer Rear - From Rear Jctn. Box to Speedometer Sender - 5 Wire; 63" Long	1
	7C-12-5	Harness - Engine Cradle - From Rear Jctn. Box to Engine Cradle Jctn. Block - 11 Wire; 60" Long	1
	7C-12-134	Harness - Engine - From Engine Cradle Jctn. Block to Engine Control Solenoids and Senders - 6 Wire; 80" Long	1
	7C-12-6	Harness - Reverse Solenoid & C/H Water Valve - From Engine Cradle Jctn. Block to Valve and Solenoid - 2 Wire; 56" Long	1
	7C-12-123	Harness - Starter Solenoid - From Magnetic Switch to Starter Solenoid - 2 Wire; 12" Long	1
	7C-12-12	Cable - Starter Motor Ground - 2/0 Cable; 20" Long	1
	7C-12-13	Cable - Starter - 2/0 Cable & 14 Ga. Wire; 50" Long	1
	7B-12-52	Cable - Alternator Ground - 3 Ga.; 24" Long	1
	7B-12-53	Harness - Alternator - 2 Wire 1/0 Cable; 30" Long	1
	7C-12-250	Harness - A/C Compressor Solenoid - From Jctn. to A/C Compressor Solenoid Valve - 2 Wire; 24" Long	2
	7B-12-26	Cable - Condenser Motor Ground - 3 Ga.; 21" Long	1
	7B-12-266	Cable - Condenser Motor Feed - From Magnetic Switch to Motor - 3 Ga.; 61" Long	1
	7C-13-88	Rectifier & Harness S/A - Engine Shut-Down From Rear Jctn. Box Terminals to Engine Shut-Down Rectifier - 3 Leads; 20" Long	1



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MODEL MC-5A & MCC-5A			

KEY	PART NUMBER	DESCRIPTION	QTY.
<u>ENGINE COMPARTMENT HARNESSSES (Cont'd)</u>			
	7C-12-244	Plug - Electronic Speedo - Rear Jctn. Box Plug and 2 Wires; 6" Long	1
	7C-12-246	Harness - Rear Electronic Speedo - From Electronic Speedo Sender to Plug-in Rear Jctn. Box - 2 Wire; 48" Long C/W Conduit	1
Plate 7-66		<u>FRONT JUNCTION BOX</u>	
		(Specify Color of Vinyl and Options Required)	
	7C-13-138	Front Junction Box Assy., Complete, Less Options	1
	7C-13-139	Box S/A - Less Electrical Components	1
1	7C-13-140	Box S/A - Includes Key # 2	1
3	7C-13-45	Post S/A - Between Doors	1
4	7C-13-101	Z-Channel - Arboran Panel Mtg., Upper	1
5	7C-13-104	Z-Channel - Arboran Panel Mtg., Lower	1
6	7C-13-19	U-Channel S/A - Driver's Window Vent	1
7	7C-13-20	Deflector - Curved	1
8	7A-13-48	Knob - Slide Opening	1
9	N. P. N.	Screw - 1/4" x 2" N.C. Ph. Hd. Csk.	1
10	N. P. N.	Washer - Internal Tooth, 1/4"	1
11	N. P. N.	Nut - 1/4" N.C.	1
		<u>NOTE:</u> for Key Nos. 12, 13 & 14 see Optional Equipment	
	7C-13-158	Arboran Panel S/A	1
15	7C-13-159	Panel Only	1
16	7A-13-64	Angle - Rectifier Mtg.	1
17	7C-13-57	Bridges	3
18	7C-13-59	Clamp - Line Flashers	3
19	7C-13-160	Buss Bar - 13 - 15 - 22 - 42 45 - 51 - 51 - 4	1
20	7C-13-161	Buss Bar S/A - 7L-7R-46 19-50-8-31	1
21	7C-13-163	Buss Bar - 3-65-33	1
22	7C-13-164	Link - Buss Bar	2
23	7C-13-165	Spacer - Circuit Breakers	1
24	7C-5-14	Relay - Turnlight	1
25	7C-13-89	Bracket S/A - Line Flashers - C/W bolts	1
	N. P. N.	Spring - Line Flasher Mtg. Bolts	3
	7C-8-14	Pad - Rubber, Under Line Flashers	1
26	7C-8-12	Chime - Passenger Signal	1
27	16B-10-36	Relay - Heat Control Box	1
28	7B-13-1	Terminal Block - Main, 65-stud	1
29	7B-8-27	Line Flashers	6

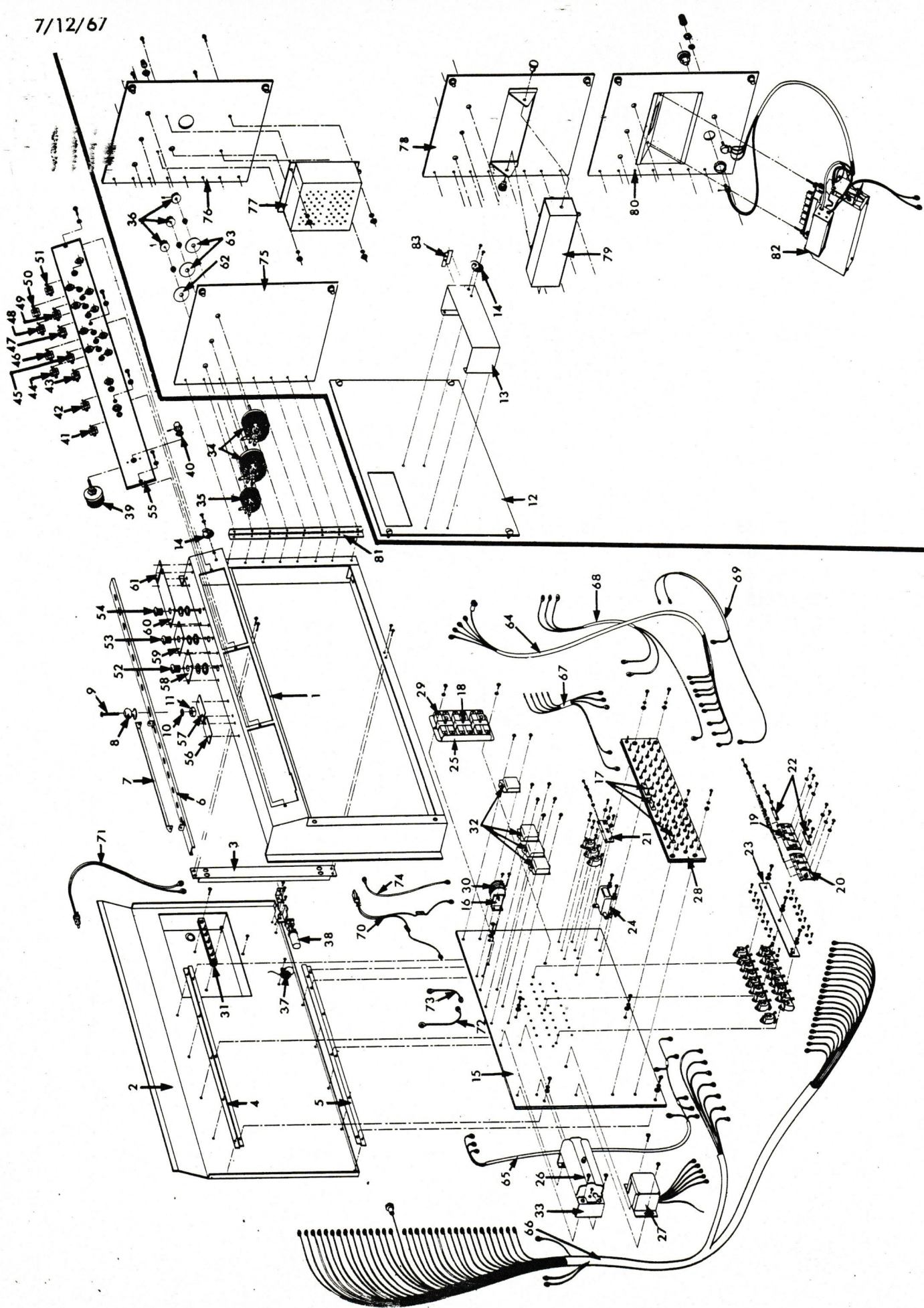


PLATE 7 - 66: FRONT JUNCTION BOX ASSEMBLY



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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 7-66		+ Effective Prior to Coach Unit No. 5457 ++ Effective With Coach Unit No. 5457 * Delete if optional 7A-13-164 switch is used	
		<u>FRONT JUNCTION BOX (Cont'd)</u>	
	7C-13-126	Circuit Breaker - 6 Amp.	12
	7C-13-127	Circuit Breaker - 15 Amp.	3
	7C-13-128	Circuit Breaker - 20 Amp.	3
	7C-13-129	Circuit Breaker - 30 Amp.	1
30	7C-12-202	Rectifier S/A - Alarm Control	1
31	7B-8-116	Terminal Block - P.A. System	1
32	7B-8-33	Buzzer - Alarm	4
33	7C-13-152	Bracket - Chime Mtg.	1
34	7B-8-35	Rheostat - Driver's Heater & Defroster	2
35	7C-8-70	Rheostat - Dash Lights	1
36	7A-15-133	Knob - Rheostat	3
37	7C-8-114	Arc Suppression Filter	1
	N.P.N.	Clip - Retaining Filter - Adel 754-6-2-6	1
	N.P.N.	Screw - Clip Mtg. - #8 - 32 x 1/2	1
38	7B-8-154	Flasher - Turn Light (Includes Bracket)	1
39	16C-10-81	Switch - Heat Control	1
40	16C-10-82	Knob - Heat Control Switch	1
41	7A-8-4	Switch - Fast Idle	1
42	7A-8-34	Switch - Reverse Shift Solenoid	1
43	7A-8-4	Switch - Step Light and Chime	1
44*	7A-13-154	Switch - Reading Lights	1
45	7A-8-4	Switch - Indirect Lights	1
46	7A-8-4	Switch - Driver's Light	1
47	7A-8-4	Switch - B.U. Light	1
48	7A-8-4	Switch - R.H. Side Markers	1
49*	7A-8-4	Switch - Marker, Dest. Sign & Running Lights	1
50+	7A-8-4	Switch - Head Lights	1
50++	7C-8-88	Switch - Head Lights	1
51	7A-8-118	Switch - A/C On	1
52	7C-7-91	Light Assy. - Blower Door Tell-Tale	1
53	7A-8-144	Light Assy. - Heat On Tell-Tale	1
	7B-8-14	Socket Assy. - Heat On Tell-Tale	1
54	16B-10-52	Light Assy. - A/C Warning	1
55	7B-13-3	Panel - Switch Mtg.	1
56	3A-15-90	Nameplate - Gear Shift Instruction	1
57	3B-15-10	Nameplate - Fuel Capacity	1
58	7C-8-86	Nameplate - Engine Blower Door Interlock	1
59	7C-8-17	Nameplate - Coach Heat	1
60	7A-8-49	Nameplate - A/C Warning	1
61	3C-15-127	Nameplate - Washroom Key	1

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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 7-66		+ Effective Prior to Coach Unit No. 5457 ++ Effective With Coach Unit No. 5457	
		<u>FRONT JUNCTION BOX (Cont'd)</u>	
62	3A-1-11	Nameplate - Dash Light	1
63	3A-1-20	Nameplate - Driver's Heater & Defroster	2
	7C-13-178	Decal - Component Location	1
64	7C-12-313	Harness - Turn Light, Includes Flasher Plug & Bracket	1
65	7C-12-314	Harness - Alarm Control	1
66+	7C-12-205	Harness - Switch Panel	1
66++	7C-12-261	Harness - Switch Panel	1
67	7C-12-201	Harness - Line Flasher	1
68	7C-12-204	Harness - Driver's Heater Rheostat	1
69	7C-12-200	Harness - Circuit Breaker Feeder	1
70	7C-12-89	Harness - P.A. Amplifier Feed	1
71	7B-12-48	Harness - Speaker Extension	1
	7C-12-237	Jumper - Aisle Light Circuit Breaker Feeder	1
72	7B-12-43	Jumper - Lav. Buzzer Ground	1
73	7C-12-164	Jumper - A/C Buzzer Ground	1
74	7C-12-165	Jumper - A/C Tell-Tale Ground	1
	7C-12-251	Jumper - Term. A to Flasher	1
		<u>Optional Equipment</u>	
75	7C-13-142	Door S/A - For Junction Box W/O Options	1
76	7C-13-144	Door S/A - For P.A. System Only	1
77	7C-13-108	P.A. Amplifier Only	1
78	7C-13-206	Door S/A - For Stereo Tape System	1
79	7C-13-211	Amp. Control Unit - Part of Stereo Tape System	1
80	7B-13-86	Door S/A - For Radio & P.A. Prior to Unit # 5745	1
80	7C-13-201	Door S/A - For Radio & P.A. on Unit # 5745 and up	1
81	7A-13-144	Hinge Only - Used With all above doors	1
82	7C-13-203	Radio - C/W P.A. Amplifier	1
	7C-13-227	Microphone - C/W 90 deg. Cannon Plug	1
	7C-8-84	Extension Cord - Microphone	1
83	7C-13-55	Bracket - Microphone Mtg.	1
	7C-8-94	Speaker & Baffle S/A	1
	7C-8-51	Antenna - Radio, C/W 36 " Lead-in	1
12	7C-13-146	Door S/A - Rear - W/O Ticket Box & With Chime Hole	1
12	7C-13-229	Door S/A - Rear - W/O Ticket Box & W/O Chime Hole	1
12	7C-13-231	Door S/A - Rear - With Ticket Box & W/O Chime Hole	1
12	7C-13-149	Door S/A - Rear - With Ticket Box & With Chime Hole	1
13	7C-13-151	Ticket Box Only	1
14	3A-15-13	Coat Hook Only	1



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MODEL MC-5A & MCC-5A			

KEY	PART NUMBER	DESCRIPTION	QTY.
		+ Effective Prior to Coach Unit No. 6001	
		++ Effective With Coach Unit No. 6001	
		* Effective Prior to Coach Unit No. 6101	
		** Effective With Coach Unit No. 6101	
		<u>REAR JUNCTION BOX</u>	
	7C-13-223	Rear Junction Box Assy., C/W Electrical Components	1
	7C-13-218	Junction Box S/A - Less Electrical Components	1
1	7C-13-219	Box S/A - Spotwelded	1
2	7C-13-32	Z-Channel - Arboran Mtg.	2
3	7C-13-25	Door S/A - C/W Hinge	1
4	7C-13-27	Hinge Only	1
	N.P.N.	Rubber - Door Seal	1
5+	7C-13-80	Arboran Panel	1
5++	7C-13-224	Arboran Panel	1
	7C-13-81	Strip - Ground, Under Arboran	2
6	7A-13-64	Angle - Rectifier Mtg.	1
7	7B-13-1	Terminal Block - 65 Stud	1
8	7C-13-182	Buss Bar - #6-54-63-S	1
9	7C-13-113	Buss Bar - #28-31-65-A	1
10	7C-13-110	Panel - Circuit Breaker Base	1
	7C-13-126	Circuit Breaker - 6 Amp.	8
	7C-13-127	Circuit Breaker - 15 Amp.	2
11	7C-12-93	Receptacle - 5-Pin, Electric Speedo Plug	1
11	7C-12-244	Receptacle - 2-Pin, Electronic Speedo Plug	1
12*	7C-12-92	Receptacle - 14-Pin, Motor Cradle Harness Plug	1
12**	7C-12-309	Receptacle - 14-Pin, Motor Cradle Harness Plug	1
13	7C-8-134	Feed Thru Stud - Small	1
14	7C-8-135	Feed Thru Stud - Large	1
	7C-5-13	Decal - Relay Location (Prior to Unit No. 5401)	1
	7C-13-167	Decal - Relay Location (Units 5401 - 6000)	1
	7C-13-225	Decal - Relay Location (Unit No. 6001 and Up)	1
	7C-13-180	Decal - Circuit Breaker Location	1
15	7C-5-17	Magnetic Switch - Reverse Solenoid	1
16	7C-5-1	Relay - Engine Stop	1
17	7B-13-85	Relay - Engine Guard Overrule	1
18	7B-5-19	Relay - Blower Cut-in	1
19	7B-13-85	Relay - Starter Interlock	1
20	7C-5-11	Relay - Overvoltage	1
21	7C-13-88	Rectifier - Engine Shut-down	1
22	7B-13-85	Relay - Discharge	1
23	7B-5-11	Relay - Field	1
24	7C-5-14	Relay - Stop Light	1
25	7B-6-1	Relay - Starter Solenoid	1

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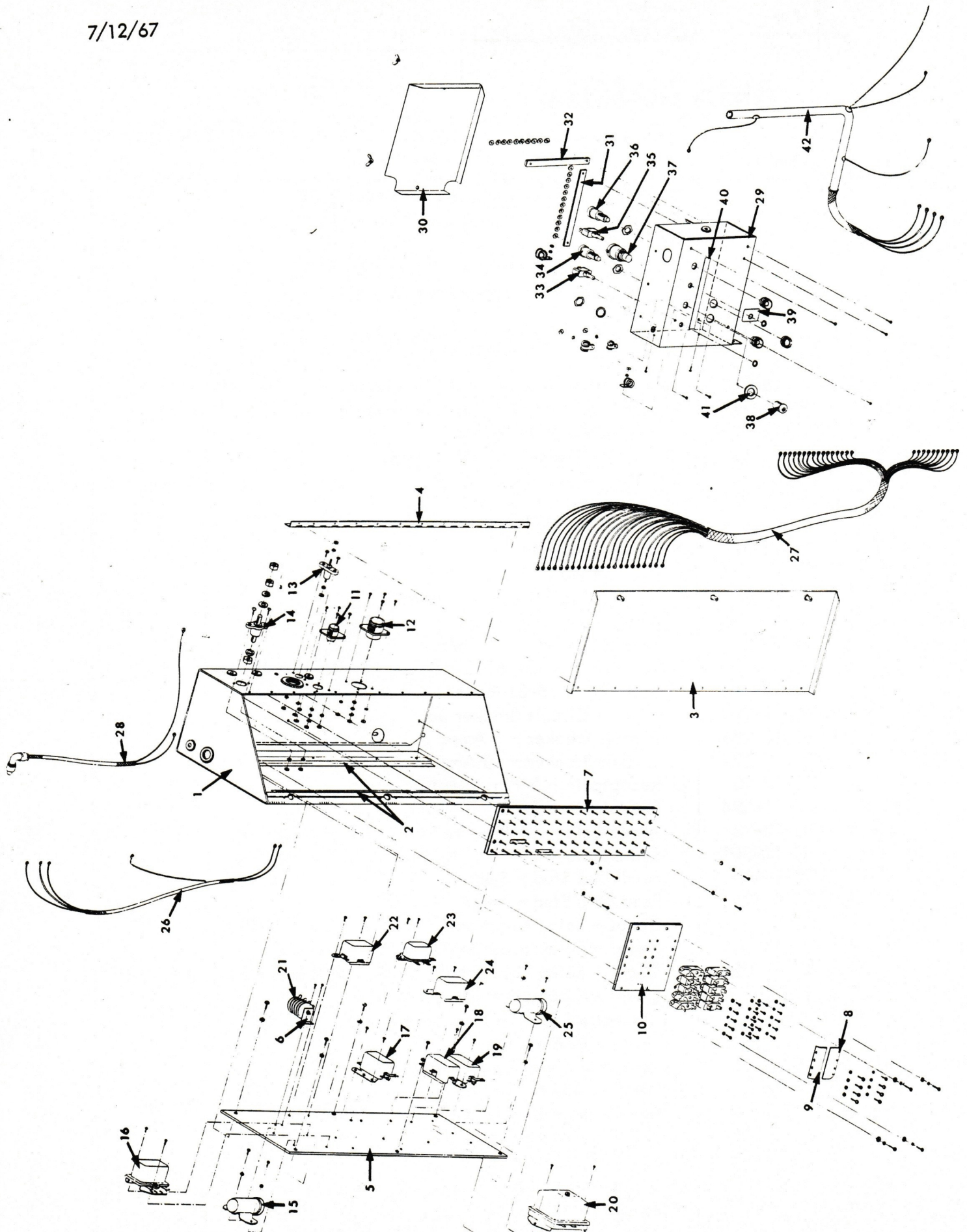


PLATE 7 - 67: REAR JUNCTION BOX & REMOTE CONTROL PANEL



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MODEL MC-5A & MCC-5A			

KEY	PART NUMBER	DESCRIPTION	QTY.
		+ Effective Prior to Coach Unit No. 6001 ++ Effective With Coach Unit No. 6001	
		<u>REAR JUNCTION BOX (Cont'd)</u>	
26	7C-12-171	Harness - From Regulator to Rear Jctn. Box	1
27	7C-12-238	Harness - From Rear Jctn. Box to Remote Control Box	1
+	7C-12-223	Harness - From Relays to Gr. Stud	1
++	7C-12-304	Harness - From Relays to Gr. Stud	1
28	7C-12-149	Harness - Rear Jctn. Box to Moisture Ejector (Optional)	1
		<u>REMOTE CONTROL BOX</u>	
	7C-13-9	Remote Control Box Assy., C/W Electrical Components	1
	7C-13-10	Box S/A - Less Cover and Electrical Components	1
29	7C-13-12	Box S/A - Spotwelded	1
	7C-13-13	Plate & Stud S/A - Cover Attaching	2
30	7C-13-15	Cover Only	1
31	7B-8-115	Terminal Block - 8 Stud	1
32	7C-8-122	Terminal Block - 10 Stud	1
33	7A-13-108	Switch - Eng. Compt. Lights	1
34	7A-13-153	Switch - Emerg. Stop	1
35	7C-8-48	Switch - Remote Control	1
36	7A-13-153	Switch - Stop	1
37	7B-6-33	Switch - Starter	1
38	7A-8-144	Tell-Tale Light - Gen. Discharge	1
39	7C-8-15	Nameplate - Remote Control "FRONT-OFF-REAR "	1
40	7-13-290	Nameplate - Remote Control Panel	1
41	7B-13-23	Nameplate - 24V Generator	1
42	7C-12-128	Harness - L.H. Turn, Stop & Tail Lights	1

PARTS MANUAL**MODEL MC-5A & MCC-5A**

KEY	PART NUMBER	DESCRIPTION	QTY.
		++ Effective With Coach Unit No. 5401 * Effective Prior to Coach Unit No. 5467 ** Effective With Coach Unit No. 5467	
		<u>A/C or C/H PANEL</u> 7.1304	
	7C-13-77	A/C Panel Assembly - Less Terminal Block	1
	7C-13-70	Buss Bar - 3/4 X 3 1/2 - .064 Brass Magnetic Switch Feeder	2
	7C-13-71	Buss Bar - 3/4 X 3 - .064 Brass - Main Circuit Breaker Feeder	1
	7C-13-72	Buss Bar - 3/4 X 3 3/4 - .064 Brass - Front Junction Circuit Breaker Feeder	1
	7C-13-73	Buss Bar - 3/4 X 5 3/8 - .064 Brass - Interconnecting Evap. Feeder Switch	1
	7C-13-74	Buss Bar - 3/4 X 2 7/8 - .064 Brass - Interconnecting Cond. Magnetic Switch	1
	N.P.N.	Junction Stud - 10844 U.S.	2
	7B-13-5	Terminal Block - 15 Stud	1
	7C-8-4	Nameplate - "Push Button to Reset"	1
++	7C-13-168	Decal - A/C Component Location	1
*	3C-36-8	Post S/A - A/C and C/H Reset	1
*	3C-36-12	Post S/A - Spotwelded	1
*	3C-36-82	Panel S/A - A/C and C/H Box Cover	1
**	7C-13-184	Panel S/A - A/C and C/H Jctn. Box Complete	1
**	7C-13-185	Panel S/A - Spotwelded	1
**	7C-13-191	Panel - Junction Box Cover	1
**	7C-13-192	Hinge Only	2
		<u>INSTRUMENT PANEL</u>	
	7A-13-153	Switch - Starter - Front - (Push Button)	1
	7B-8-19	Switch - Master Control - Engine (Push Pull Type)	1
	7A-8-34	Switch - Emergency Stop (Momentarily On Type)	1
	7A-8-36	Switch - Engine Override - (Momentarily Off Type)	1
	7B-8-34	Guard - Stop & Engine Override Switches	2
	7C-13-123	Shroud - Anti-Glare Fuel Gauge	A.R.
	7C-13-124	Shroud - Anti-Glare Combined Oil and Water Gauges	A.R.
	7C-13-125	Shroud - Anti-Glare - Air or Speedo Gauges	A.R.
	7C-8-62	Speedometer Head Assembly	1
	7C-8-63	Tachograph Head Assembly	1
	7C-8-80	Speedometer Head Assembly - Electronic (Optional)	1
		<u>NOTE: For Breakdown See Group 7.08</u>	
	7C-13-136	Gauge - Oil Pressure	1
	7C-13-135	Gauge - Water Temperature	1
	7C-13-137	Gauge - Fuel Level (Optional)	1
	7C-13-134	Air Gauge - C/W Mounting Clamp	1
	7C-13-133	Tell-tale Cluster Light Assembly - Less Bulb & Sockets	1



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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
		* Effective Prior to Coach Unit No. 5501 ** Effective With Coach Unit No. 5501	
		<u>DRIVER'S HEATER ASSEMBLY</u> 7.1501	
*	7C-15-100	Driver's Heater Assy. (Includes Parts Under "Damper Control Box")	1
**	7C-15-125	Driver's Heater Assy. (Includes Parts Under "Damper Control Box")	1
*	7C-15-110	Heater S/A - Complete	1
**	7C-15-126	Heater S/A - Complete	1
	7C-15-106	Damper S/A - Selection	1
	7C-15-123	Rubber Only	1
	7A-15-68	Duct - L.H. Blower to Outlet	1
	7A-15-76	Duct - S/A - R.H. Blower to Outlet	1
	7C-15-122	Boot - Heater Lines Seal	1
	7C-15-121	Flange - Boot Retaining	1
	7C-15-114	Boot - Damper Control Seal	1
	7C-15-115	Flange - Boot Retaining	1
*	7A-15-69	Housing S/A - R.H. - C/W Motor & Blower - C.C.W.	1
**	7C-15-127	Housing S/A - R.H. - C/W Motor & Blower - C.C.W.	1
*	7A-15-71	Housing S/A - Welded	1
*	7A-15-70	Fan Only	1
**	7C-15-128	Fan Only	1
	7A-15-77	Ring Only	1
*	7B-16-2	Motor Only	1
**	7C-15-129	Motor Only	1
*	7A-15-62	Housing S/A - L.H. - C/W Motor & Blower - C.W.	1
**	7C-15-130	Housing S/A - L.H. - C/W Motor & Blower - C.W.	1
*	7A-15-64	Housing S/A - Welded	1
*	7A-15-63	Fan Only	1
**	7C-15-131	Fan Only	1
	7A-15-77	Ring Only	1
*	7B-16-1	Motor Only	1
**	7C-15-129	Motor Only	1
	7A-15-34	Panel - Door	1
	7A-15-219	Core	1
	7C-15-99	Lever & Base S/A - Driver's Heater Control	1
	7C-15-101	Base & Pin S/A	1
	7C-15-102	Lever & Pin S/A	1
	7C-15-95	Handle - Driver's Heater Defroster Control	1
	7C-15-103	Eye Bolt - Heater Control Rod	1
	7A-15-138	Duct S/A - Defroster - L.H. Outer	1
	7B-15-5	Duct S/A - Defroster - L.H. Inner	1
	7A-15-144	Duct S/A - Defroster - R.H. Outer	1
	7B-15-1	Duct S/A - Defroster - R.H. Inner	1
	7C-15-116	Deflector S/A - Defroster - Complete - L.H. & R.H. Outer & R.H. Inner	3

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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>DRIVER'S HEATER ASSEMBLY (Cont'd)</u> 7.1502	
	7C-15-117	Deflector S/A - Defroster - L.H. Inner	1
	7C-15-50	Deflector - Mounting L.H.	1
	7C-15-12	Screen - Driver's Defroster Duct Cover	4
	7B-12-49	Harness - Driver's Heater & Defroster	1
		<u>DRIVER'S HEATER ASSEMBLY</u>	
		Effective With Coach Unit No. 5639	
	7C-15-141	Driver's Heater Assembly (Includes Parts Under "Damper Control Box")	1
	7C-15-142	Heater S/A - Complete	1
	7C-15-106	Selection Damper S/A	1
	7C-15-123	Rubber Only	1
	7C-15-143	Heater S/A - Spotwelded	1
	7C-15-154	Housing S/A - C/W Motor Blower	2
	7C-15-158	Bracket - Mtg. Motor to Housing	2
	7C-15-137	Motor Only	2
	7C-15-138	Fan Only	2
	7C-15-176	Ring Only - Inlet	4
	N.P.N.	Screw - #10 X 3/8 Hex. Hd. Slotted	6
	N.P.N.	Screw - #10 - 32 X 3/4 Ph. T.H.	6
	N.P.N.	Nut - #10 - 32 Hex.	6
	N.P.N.	Lockwasher - #10	6
	7A-15-219	Core Only	1
	7C-15-151	Duct S/A - Inner L.H. Fan	1
	7C-15-188	Elbow & Flange S/A	1
	7C-15-161	Duct S/A - Under Dash L.H. Defroster	1
	7C-15-178	Diffuser S/A - Top of Dash - L.H. & R.H.	2
	7C-15-184	Screen - Under Diffuser	2
	7C-15-185	Diffuser S/A - R.H. Side of Dash	1
	7C-15-190	Hose - Heater to R.H. Diffuser	1
	N.P.N.	Screw - #6 X 1/2 Type A	9
	N.P.N.	Hose Clip - Fastening Hose to Front Wall	1
	N.P.N.	Clamp - Fastening Hose to Diffuser and Defroster Box	2
	7C-15-139	Casting - Defroster Outlet Under L.H. Dash	1
	7C-15-140	Casting - Defroster Outlet Under R.H. Dash	1
	7C-15-166	Hose - Upper L.H. Defroster	1
	7C-15-167	Hose - Lower L.H. Defroster	1
	7C-15-168	Hose - R.H. Defroster	1
	7A-15-190	Washer - Fibre Spacer	2
	7A-15-188	Washer - Celeron Spacer	2
	7C-15-192	Plate - Closing - Inner L.H. Curved	1
	7C-15-177	Plate - Closing - Rear Lower L.H.	1
	7C-12-288	Harness - Driver's Heater & Defroster	1



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KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>DAMPER CONTROL BOX</u> 7.1503	
	7C-15-30	Box S/A - Mixing Chamber	1
	7A-15-156	Box Only	1
	7C-15-31	Damper S/A - Front Complete	1
	7C-15-35	Damper S/A - Rear	1
	7A-15-182	Bearing S/A - Complete	4
	7A-15-187	Bearing S/A - Less Bushing	1
	7A-15-183	Angle - Mounting	1
	7A-15-185	Tube - Bushing Retainer	1
	7A-15-186	Bushing - Nylon	1
	7A-15-172	Lever - Long	1
	7A-15-162	Lever - Short	2
	7A-15-170	Rod - Damper Linkage	1
	7C-15-37	Seal - Front Opening	1
	7C-15-38	Frame - Front Seal Retaining	1
	7C-15-39	Seal - Side Opening	1
	7C-15-40	Frame - Side Seal Retaining	1
	7C-15-27	Plate - Driver's Heater Line Outlet Closing	1
	7C-15-28	Boot - Driver's Heater Line Outlet Closing	1
	7A-15-163	Cable - Damper Control	1
	7C-15-19	Tube - Rod Guide	1
	7C-15-17	Rod S/A - Heater and Fresh Air Damper	1
	7C-15-18	Rod Only	1
	7A-15-207	Plate - Handle Mounting	1
	7A-15-196	Handle S/A - Heater and Fresh Air Damper	1
	7C-15-94	Handle - Less Bushing	1
	7A-15-186	Bushing - Nylon	1
	7A-15-206	Clip - Tube Holding Under Dash	3
	7A-15-197	Bracket S/A - Handle Mounting	1
	7C-15-99	Lever & Base S/A - Driver's Heater Control	1
	7C-15-101	Base & Pin S/A	1
	7C-15-102	Lever & Pin S/A	1
	7C-15-95	Handle - Driver's Heater Defroster Control 27' 9 1/2" Long	1
	6C-8-33	Tube - Heater Valve to Rear of Coach - 49 3/8" Long	1
	6B-8-39	Tube S/A - Supply Line in Engine Compt.	1
	6B-8-35	Tube - Formed at Heater - 52" Long	1
	6C-8-32	Tube - Heater Valve to Rear of Coach - 28' 9 7/8" Long	1
	6C-8-47	Tube S/A - Return Line in Engine Compt.	1
	16C-10-46	Ball Valve S/A - Driver's Heater	1
		(Refer to Section 16 For Breakdown)	
	16C-11-59	Tube S/A - Heater Feed Line	1
	6A-8-118	Hose - 3/4 I.D. X 4	5
	16A-11-82	Hose - 3/4 I.D. X 2 1/2	2

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		<u>DRIVER'S HEATER & DEFROSTER MOTOR</u> 7.1601	
		Effective Prior to Coach Unit No. 5639	
	7B-16-1	Motor Assembly - CW - Driver's Heater - 24 Volt	1
	7B-16-2	Motor Assembly - CCW - Driver's Heater - 24 Volt	1
	7A-16-3	Armature Assembly	2
	7A-16-4	Armature Core Assembly	2
	7A-16-5	Lamination	140
	7A-16-6	Shaft	2
	7A-16-7	End Fibres	4
	7A-16-8	Shaft Spacers	4
	7A-16-9	Shaft Spacer	A.R.
	7A-16-10	Slot Insulator	20
	7A-16-11	Winding	2
	7A-16-12	Wedge Strip	2
	7A-16-13	Insulator Disc.	A.R.
	7A-16-14	Commutator Assembly	2
	7A-16-15	Commutator Insert	2
	7A-16-16	O.T. Washer	2
	7A-16-17	F.T. Washer - .010	6
	7A-16-18	F.T. Washer - .005	2
	7A-16-19	F.T. Washer Cloth	4
	7A-16-20	Bearing	4
	7A-16-21	F.T. Washer - .030	4
	7A-16-22	Field and Brush Assembly	A.R.
	7A-16-23	Field Assembly	2
	7A-16-24	Field Core Assembly	2
	7A-16-25	Lamination	140
	7A-16-26	Field Coil Assembly	2
	7A-16-27	Field Winding	2
	7A-16-28	Field Winding	A.R.
	7A-16-29	Tape	A.R.
	7A-16-30	Insulator Sleeve	4
	7A-16-31	Coil Insulator	8
	7A-16-32	Lead 22" - 16 Gauge	2
	7A-16-33	Lead 23" - 16 Gauge	2
	7A-16-34	Lead 23" - 16 Gauge	2
	7A-16-35	Lead 24" - 16 Gauge	2
	7A-16-36	Brush Card Assembly	A.R.
	7A-16-37	Insul. Brush Card	A.R.
	7A-16-38	Brush Tube	A.R.
	7A-16-39	Rivets	8
	7A-16-40	Brush Assembly	A.R.
	7A-16-41	Brush Assembly	A.R.
	7A-16-42	Circuit Breaker	A.R.



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KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>DRIVER'S HEATER & DEFROSTER MOTOR (Cont'd)</u>	
		7.1602	
		Effective Prior to Coach Unit No. 5639	
	7A-16-43	Condenser	A.R.
	7A-16-44	Terminal	"
	7A-16-45	Terminal	"
	7A-16-46	Terminal	"
	7A-16-47	Wedge	4
	7A-16-48	Case Assembly L.F.	2
	7A-16-49	Case	2
	7A-16-50	Case	A.R.
	7A-16-51	Paint - CPX174	2
	7A-16-52	Bearing	A.R.
	7A-16-53	Bearing Felt	2
	7A-16-54	Bearing Cap	2
	7A-16-55	Retaining Spring	2
	7A-16-56	Oil Catcher	2
	7A-16-57	Rivets	A.R.
	7A-16-58	Eyelets	"
	7A-16-59	Eyelets	8
	7A-16-60	Grommets	2
	7A-16-61	Case Assembly - OLF	2
	7A-16-62	Case	2
	7A-16-63	Case	A.R.
	7A-16-64	Paint - CPX174	2
	7A-16-65	Bearing	A.R.
	7A-16-66	Bearing Felt	2
	7A-16-67	Bearing Cap	2
	7A-16-68	Retaining Spring	2
	7A-16-69	Oil Catcher	2
	7A-16-70	Eyelets	8
	7A-16-71	Insul. Card "B" Tube	A.R.
	7A-16-72	Casebolt	4
	7A-16-73	Casebolt Nut	4
	7A-16-74	Brush Mounting Bracket	2
	7A-16-75	Brush Holder	4
	7A-16-76	Brush Assembly	4
	7A-16-77	Terminal	A.R.
	7A-16-78	Brush Spring	2
	7A-16-79	Brush	A.R.
	7A-16-80	Lubricating Oil	"
	7A-16-81	Pallet Tray	"
	7A-16-82	Carton	20M
	7A-16-83	Label (Rotation Chart)	2

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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>DRIVER'S HEATER & DEFROSTER MOTOR</u> 7.1603	
		Effective With Coach Unit No. 5639	
	7C-15-137	Motor Assembly - Driver's Heater	2
	7C-15-195	Armature Assy. - C/W Bearings	1
	7C-15-196	Stator Assy. - C/W Shell	1
	7C-15-197	Bearings	2
	7C-15-198	Brush & Spring Assy.	2
	7C-15-199	Brush Cap	2
	7C-15-200	Brush Head Assy.	1
	7C-15-201	Rear Head (Shaft End)	1
	7C-15-202	Casebolts	2
	7C-15-203	Brush Tube	2
		<u>WINDSHIELD FANS</u> 7.1701	
	7B-17-1	Windshield Fan Assembly - Model 95 - 24 Complete	1
	7B-17-2	Base Assembly - Windshield Fan	1
	7B-17-3	Bracket Assembly - Mounting Base	1
	7B-17-4	Ball - Swivel in Socket	1
	7B-17-5	Base Only	1
	7B-17-6	Seat - Ball	1
	7B-17-7	Spring - Between Washer & Ball Seat	1
	7B-17-8	Washer - Spring Retainer	1
	7B-17-9	Grille Guard - Front	1
	7B-17-10	Grille Guard - Rear	1
	7B-17-11	Fan Assembly - Complete	1
	7B-17-14	Insert - For Hub	1
	7B-17-12	Motor - 24 Volt - For Windshield Fan	1
	7B-17-13	Switch Assembly - Motor	1

SECTION 8

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CYLINDER BLOCK

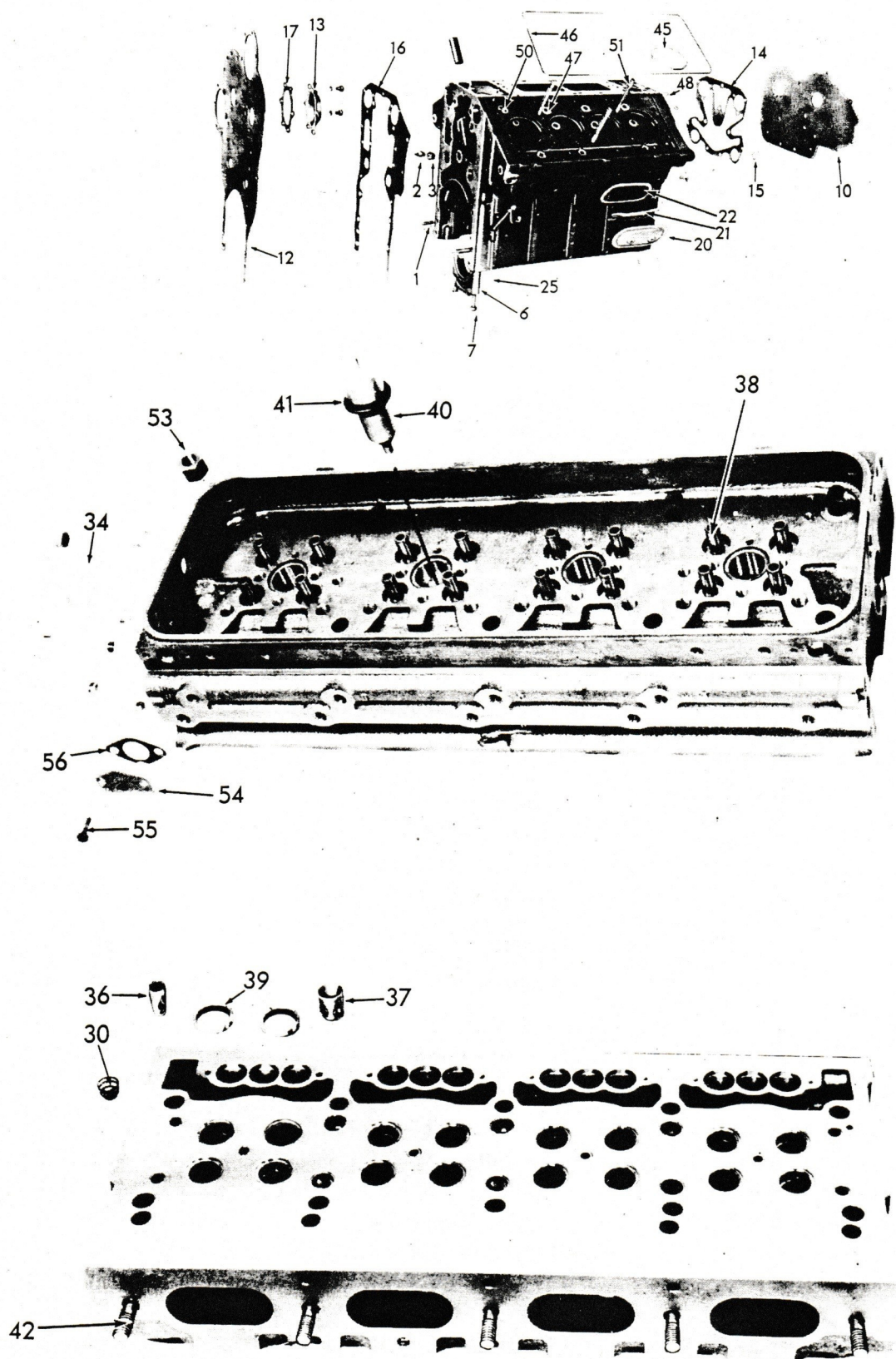


PLATE 8 - 28 - CYLINDER BLOCK & HEAD - TOP & BOTTOM



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KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 8 -28		<u>CYLINDER BLOCK</u>	
	5196323	CYLINDER BLOCK - Includes Main Bearing Caps, Pins, Bolts, Studs, Cylinder Head Studs, End Dowels, Spring Pins, Reducing Bushing, Cylinder Block Plugs and Drain Cocks.	1
	5123239	Pin - Spring	1
	141214	Pin - 5/16 x 7/16 Dowel	3
	5150042	Plug - (Vertical Oil Passage)	1
	5123862	Plug - (Top Face of Block)	2
	444687	Plug - 1/8" Hex. Socket Head	1
	103878	Plug - 1/4" Pipe	2
	444692	Plug - 1/4" Allen Head Pipe	6
	103879	Plug - 3/8" Pipe (Sq. Head)	1
	5115214	Plug - (1/2" Allen Head Pipe)	5
	9409961	Plug - (3/4" Pipe)	4
	5165289	Plug - (15/16" Dia. Cup)	1
	5111798	Plug - (1" Pipe)	10
	144017	Plug - (1 1/4" Pipe - Headless)	1
	5123159	Plug - (1 3/4" - 16; 3/8-16 Tap Hole)	2
1	5151576	Dowel - (Flywheel Housing & Front Cover)	4
	103196	Stud - 3/8"-16-24 x 1 9/16"	2
	5178997	Gasket - (2" x .069")	3
	5130750	Pan - (Inner Breather Cavity)	2
	5130753	Retainer - Breather Pad - L.H. Viewing at Flywheel Hsg.	1
	5130752	Retainer - Breather Pad - R.H. Viewing at Flywheel Hsg.	1
2	118536	Draincock - 3/8"	3
3	142767	Bushing - 3/4" - 3/8" red Pipe	2
6	5196317	Cap - Crankshaft Main Bearing	5
7	5116353	Bolt - Crankshaft Main Bearing 6.24"	10
	5124988	Washer - .66" I.D. x 1.35" O.D. x .205 Thick	10
	5196374	GASKET KIT - Engine Overhaul	*
10	5123010	Plate - Cylinder Block End - (Front) - Includes Plug Nuts	1
	179839	Bolt - 3/8 x 1	3
	122408	Bolt - 1/2-13x1	2
	103321	Lockwasher - 3/8	3
	103323	Lockwasher - 1/2	2
	5121459	Nut - Plug	1
*		Quantity - As Required	

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KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 8-28		<u>CYLINDER BLOCK - Continued</u>	
12	5117498	Plate - Cylinder Block End - Rear - Includes Plug Nuts	1
13	5117058	Cover	1
	106284	Bolt - 3/8-24x5/8	2
	179839	Bolt - 3/8-16x1	9
	116103	Washer - 3/8 Flat Copper	2
	103321	Lockwasher - 3/8	9
	5121459	Nut - Plug	11
14	5117958	Gasket - Cylinder Block End Plate - Front	1
15	5121835	Gasket - Cylinder Block End Plate - 17/32 I.D. x 1.12" O.D.	1
16	5117031	Gasket - Cylinder Block End Plate - Rear	1
17	5117059	Gasket - (End Plate Cover)	1
20	5125905	Cover - Cylinder Block Hand Hole	4
21	5122317	Clamp	4
	5155596	Gasket - 5/16 Copper	8
	106327	Bolt - 5/16"-18x 1 3/8"	8
	5109470	Lock - Bolt	4
22	5117016	Gasket - Cylinder Block Hand Hole Cover	4
	5117733	Cover - Cylinder Block Water Hole	1
	179838	Bolt - 3/8-16x7/8"	4
	103341	Washer - 3/8" Flat	4
	5117734	Gasket - Cylinder Block Water Hole Cover	1
		<u>AIR BOX DRAINS</u>	
25	5117907	Tube Assembly - 10.76" Long	2
	137422	Elbow - 5/16" Inv. Fl. Tube - 90 degrees	2
	444687	Plug - 1/8" Pipe	2
		<u>CYLINDER HEAD</u>	
	5197421	CYLINDER HEAD ASSEMBLY	2
	5117344	Plate - (Water Outlet Parts)	8
	5150362	Stud - (Water Outlet Parts)	16
	5150361	Gasket - (Water Outlet Parts)	8
	5121182	Plug - (1/4" Pipe)	18
	5125237	Plug - (1/4" Hex Skt. Head)	10
	444867	Plug - (3/8" Pipe - Allen Head)	4
	5154453	Plug - (3/8" - 16 Slotted)	8
	5178976	Plug - (7/16" - 14 Slotted)	8
	5150100	Plug - (3/4" Dia. Cup)	4



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<u>CYLINDER HEAD - Continued</u>			
34	5117186	Plug - (2" Dia. Cup)	2
	103321	Lockwasher - 3/8" - 24 Hex.	16
	117049	Nut - 3/8" - 24 Hex.	16
36	5172874	Nozzle (Single Outlet) Cylinder Hd. Water	8
37	5111332	Nozzle (Double Outlet) Cylinder Hd. Water	12
38	5119992	Guide - Exhaust Valve	32
39	5109027	Insert (Std.) Exhaust Valve	32
	5197505	Insert (.010" O.S.) Exhaust Valve	*
	5117564	Guide - Exhaust Valve Bridge (Pressed In Type)	16
	5117562	Seat - Exhaust Valve Spring	32
40	5150041	Tube - Ejector Hole	8
41	5160037	Ring - Ejector Hole Tube Seal	8
	5117369	Connector - Fuel Pipe	16
42	5112899	Stud - Exhaust Manifold to Head	10
	5196381	Gasket Kit - Cylinder Head Overhaul (Replace one Cylinder Hd.)	*
45	5183330	Gasket - Cylinder Head Compression	8
46	5119973	Gasket Set - Cylinder Head Oil	2
47	5186579	Ring - Seal (Water Hole)	12
48	5186577	Ring - Seal (End Water Hole)	6
50	5183305	Gasket - Cylinder Head Water & Oil	2
51	5183329	Stud - Cylinder Head	6
	5117003	Bolt - Cylinder Head	14
53	5150013	Nut - Cylinder Head Stud	6
54	5150268	Cover - Cylinder Head Governor Hole	6
	5179709	Washer - (1/4" Copper)	12
	180016	Bolt - 1/4" - 20 x 1/2"	12
56	5123812	Gasket - Cylinder Head Governor Hole	6

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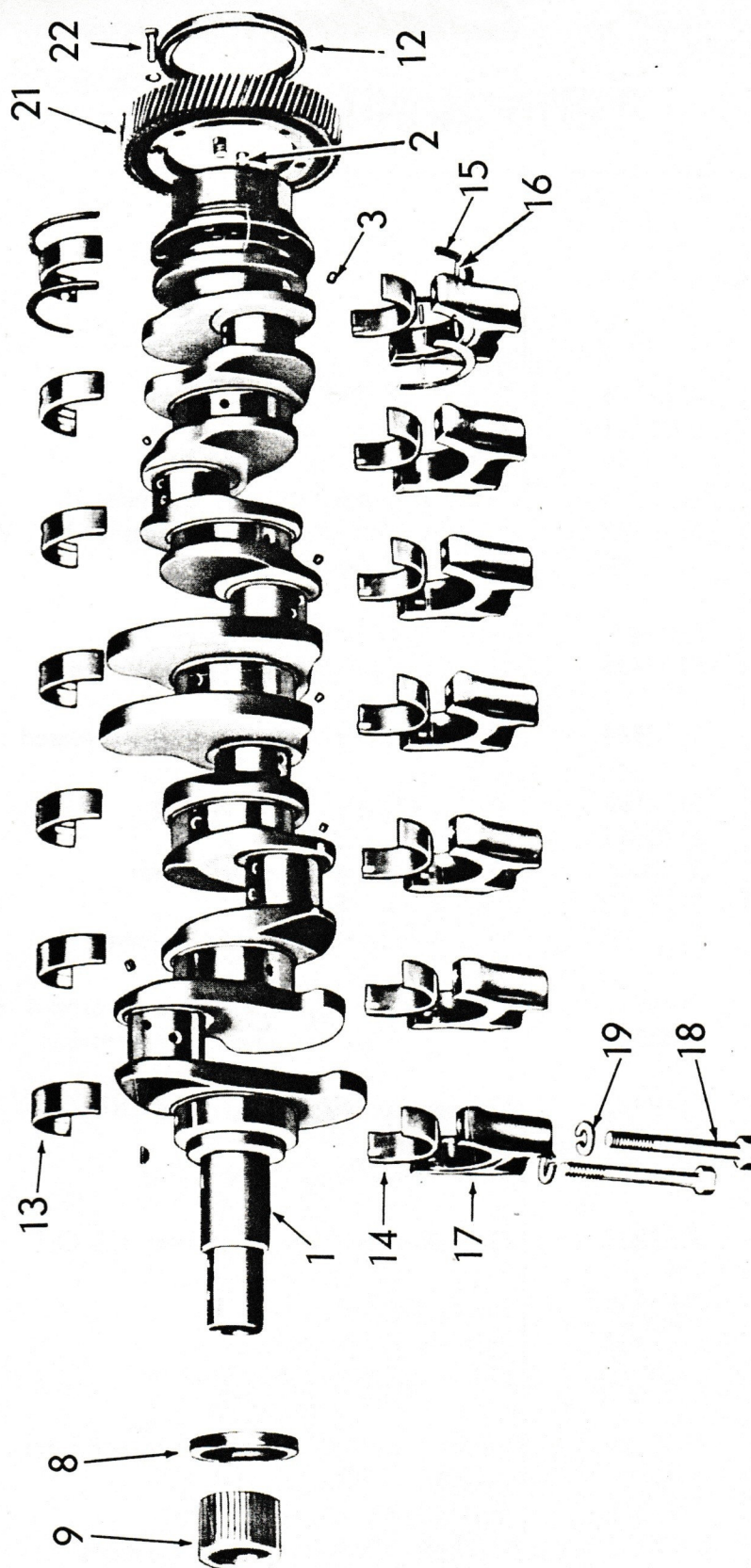


PLATE 8 - 29: CRANKSHAFT



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MODEL MC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 8-29		<u>CRANKSHAFT ASSEMBLY</u>	
1	5117966	Crankshaft Assy. -8V-71 Engine	1
2	5177528	Dowel	2
3	444687	Plug - 1/8" Pipe	4
	5173048	Plug - 1/4" Pipe	1
	5155661	Baffle (Crankshaft Oil) (No Hole)	1
8	5115454	Crankshaft Oil Seal - Front	1
	5122983	Spacer - Crankshaft Front Oil Seal (2" Long)	1
12	5114335	Crankshaft Oil Seal - Rear	1
	5197159	Sleeve - Oil Seal	
		<u>SHELL SET</u> - Crankshaft Main Bearing - Consists of one Upper and Lower Shell.	
	5196319	Shell Set - Standard	4
	5196330	Shell Set - .002 Under Size	A.R.
	5196333	Shell Set - .010 Under Size	A.R.
	5196336	Shell Set - .020 Under Size	A.R.
	5196339	Shell Set - .030 Under Size	A.R.
13	5117010	Shell - Upper - Standard	4
14	5117011	Shell - Lower - Standard	4
	5196331	Shell - Upper - .002 Under Size	A.R.
	5196332	Shell - Lower - .002 Under Size	A.R.
	5196334	Shell - Lower - .010 Under Size	A.R.
	5196335	Shell - Lower - .010 Under Size	A.R.
	5196337	Shell - Upper - .020 Under Size	A.R.
	5196338	Shell - Lower - .020 Under Size	A.R.
	5196340	Shell - Upper - .030 Under Size	A.R.
	5196341	Shell - Lower - .030 Under Size	A.R.
15	5117005	Washer - Crankshaft Main Bearing Thrust - (Std.)	4
	5196753	Washer - Crank Main Bearing Thrust - .005 O.S.	4
	5196754	Washer - Crankshaft Main Bearing Thrust - .010 O.S.	4
16	141346	Pin - 3/16 x 12 Dowel	4

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KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 8-29		<u>CRANKSHAFT ASSEMBLY - Continued</u>	
17	5196317	Cap - Crankshaft Main Bearing	4
18	5116353	Bolt - Crankshaft Main Bearing Cap (6.24" Long)	8
19	5124988	Washer - Crankshaft Main Bearing Cap Bolt	8
21	5117102	Gear - Crankshaft Timing (R.H. Helix)	1
22	9409035	Bolt - 3/8 - 24 x 1"	1
		<u>ENGINE LIFTER BRACKET</u>	
	5129360	Bracket - Engine Lifter Front	1
	5122293	Bracket - Engine Lifter Rear	2
	190270	Bolt - Front Bracket - 1/2" - 13 x 4 1/4"	1
	223435	Bolt - Front Bracket - 5/8 - 11 x 1 3/4"	1
	179859	Bolt - Rear Bracket - 7/16-14x1 1/8"	4
	103323	Lockwasher - Front Bracket - 5/8"	1
	103325	Lockwasher - Front Bracket - 5/8" (Optional)	*
	103322	Lockwasher - Rear Bracket - 7/16"	*
		Quantity - As Required	



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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>BELTS</u>	
	8B-27-1	V-Belt - Alternator (Set of 2)	
	8C-27-6	V-Belt - A/C Compressor (Consists of matched set) - For Std. Axle Ratio	2
	8C-27-3	V-Belt - A/C Compressor (Consists of matched set) - For 3.7 Axle Ratio	2
	8B-27-2	V-Belt - Blower Drive (111" O.C.) - For Std. Axle Ratio	1
	8C-27-5	V-Belt - Blower Drive (109" O.C.) - For 3.7 Axle Ratio	1
	8F-27-3	V-Belt - Alternator (Set of 4)	1
		<u>PULLEYS</u>	
	7B-3-260	Pulley - Alternator Drive, on Engine (2 Groove)	1
	7F-3-50	Pulley - Alternator Drive on Engine (4 Groove)	1
	7C-3-1	Pulley - Alternator (4 3/4" O.D.) (2-Groove)	1
	7C-3-4	Pulley - Alternator (4" O.D.) (2 Groove)	1
	7F-3-51	Pulley - Alternator (4-Groove)	1
	16C-3-5	Pulley - A/C Compressor	1
	6C-6-79	Pulley - Blower Drive	1
	8C-4-2	Pulley - Crankshaft (Std. Rear Axle)	1
	8C-4-3	Pulley - Crankshaft (3.7 Rear Axle)	1
	5157930	Retainer - (2 3/8" O.D.)	1
	5153623	Bolt - (1" x 2 1/4")	1
	5178036	Hub - Crankshaft Pulley	1
	117982	Key - 3/8" x 1 1/4 Woodruff	2

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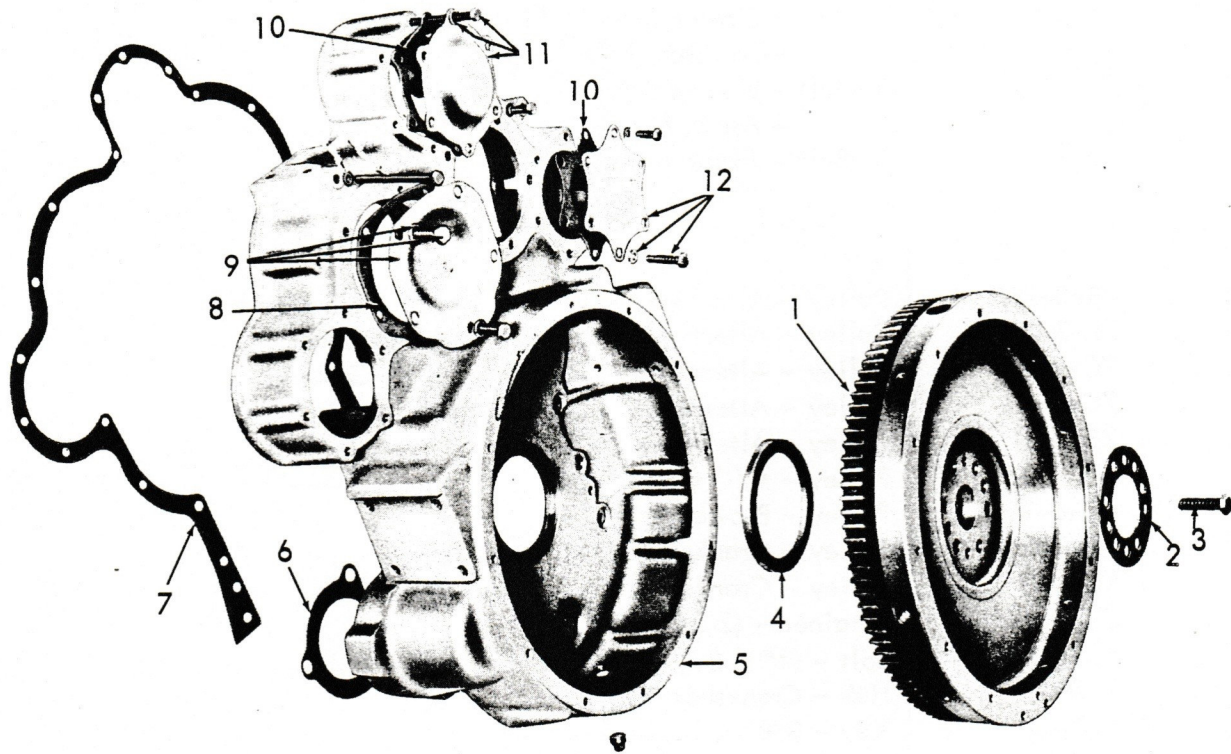


PLATE 8-30 FLYWHEEL & FLYWHEEL HOUSING

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KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 8-30			
		<u>FLYWHEEL</u>	
	5178626	Flywheel Assembly - Includes Ring Gear	1
1	5110893	Gear - Flywheel Ring (102 Teeth)	1
2	5125654	Plate - Flywheel Scuff (Bolt Retainer)(1.91 I.D.)	1
3	9409532	Bolt - Lock (9/16 - 18 x 2" Long)	6
	907594	Bearing - Clutch Pilot	1
	5125841	Plate - Flywheel Clutch Driving	1
	186678	Bolt - 3/8 - 16 x 1"	12
	120382	Lockwasher - 3/8"	12
	5B-2-26	Shim - Flywheel Wear Plate - (When Reclaiming Surfaces)	As Req'd
		<u>FLYWHEEL HOUSING</u>	
5	5132222	Housing - Flywheel - Less Oil Seal	1
	103869	Plug - 3/4" Pipe	1
	5111798	Plug - 1" Pipe	1
	9409028	Bolt - (3/8" - 16 x 1" Lock)	6
	179839	Bolt - 3/8" - 16 x 1"	2
	186622	Bolt - 3/8" - 16 x 1 1/4"	1
	5121466	Bolt - 3/8" - 24 x 3 7/8"	7
	190770	Bolt - 1/2" - 13 x 3 1/4"	6
	103341	Washer - 3/8" Flat	As Req'd
	103321	Lockwasher - 3/8"	As Req'd
	103323	Lockwasher - 1/2"	6
7	5117173	Gasket - Flywheel Housing	1
9	5122281	Cover - Flywheel Housing - Large Hole	2
	100146	Bolt - 7/16" - 14 x 1"	2
	179882	Bolt - 1/2" - 13 x 1 1/8"	8
	5150568	Washer - 7/16" Copper	2
	103322	Lockwasher - 7/16"	2
	103323	Lockwasher - 1/2"	As Req'd
4	5114335	Seal - Single Lip Std. - Crank Shaft Oil - Rear	1
4	5192776	Seal - O.S. - Single Lip - Use with 5197159 Sleeve	1
4	5192777	Seal - O.S. - Double Lip - Use with 5197159 Sleeve	1
	5197159	Sleeve - Used with O.S. Seals	1

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KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 8-30		<u>FLYWHEEL HOUSING (Cont'd)</u>	
8	5117061	Gasket - Flywheel Housing Large Cover Hole	2
11	5173465	Cover - Flywheel Housing Small Hose 1/2" Tapped	As Req'd
12	5122219	Cover - Flywheel Housing - Small Hole	3
	179838	Bolt - 3/8" - 16 x 7/8	5
	186288	Bolt - 3/8" - 16 x 4 1/2"	1
	186315	Bolt - 3/8" - 14 x 4 1/2"	8
	103321	Lockwasher - 3/8"	*
10	5122227	Gasket - Flywheel Housing - Small Hole Cover	3
6	5130995	Gasket - Starting Motor Hole Cover	1

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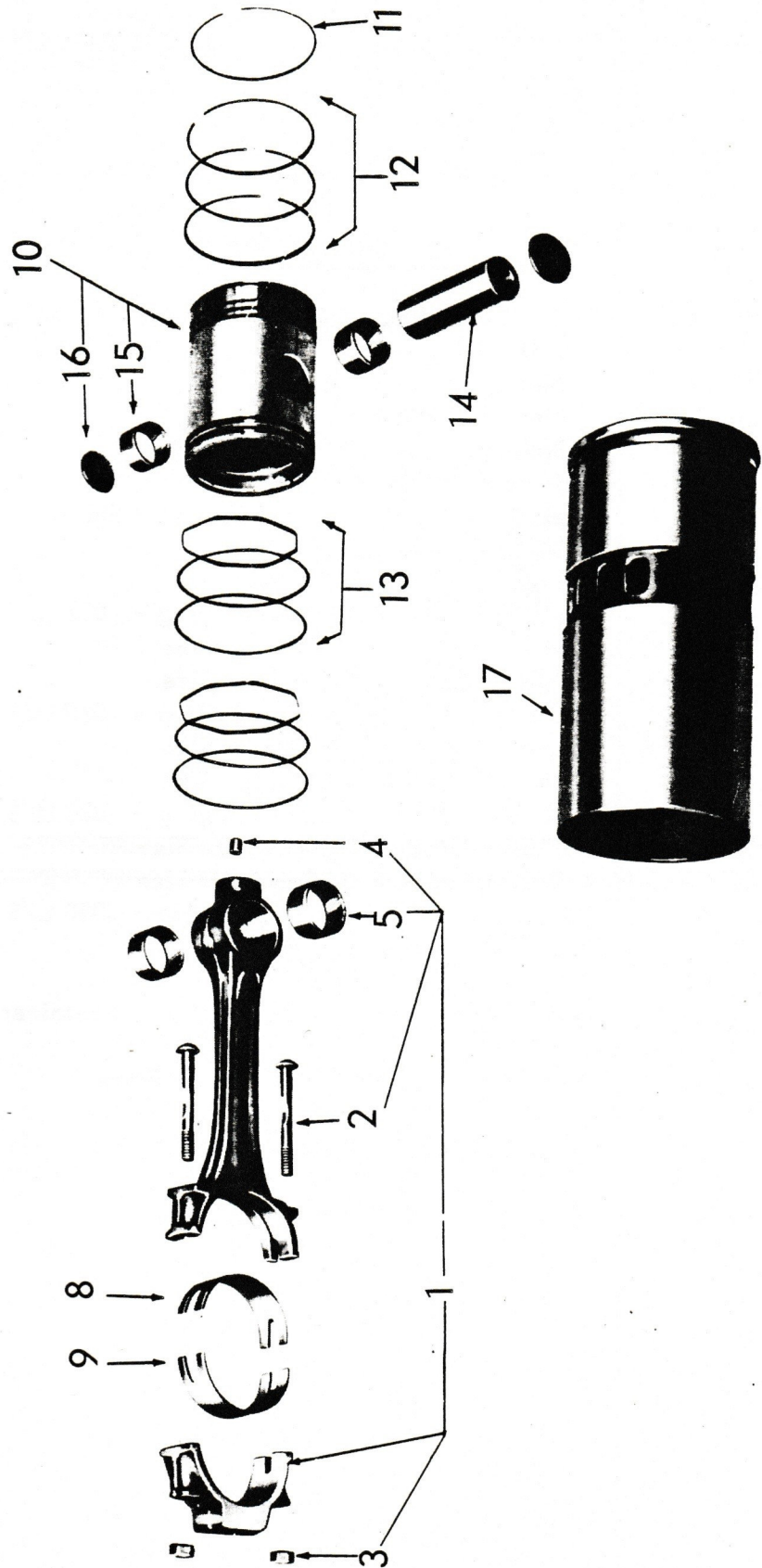


PLATE 8 - 31: CONNECTING RODS AND PISTONS

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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 8-31		<u>CONNECTING RODS & PISTONS</u>	
1	5135756	Rod - Connecting - Includes Cap and Following	8
2	5117023	Bolt	16
3	5117629	Nut	16
4	5150140	Nozzle - Spray	8
5	5157274	Bushing - Piston Pin	16
	5154360	Orifice - Connecting Rod	8
	5196320	Shell Set - Connecting Rod Bearing - Std.	8
8	5117024	Shell - Upper - Std.	8
9	5117025	Shell - Lower - Std.	8
	5196342	Shell Set - Connecting Rod Bearing - .002 U/S	A.R.
	5198343	Shell - Upper - .002 Under Size	A.R.
	5196344	Shell - Lower - .002 Under Size	A.R.
	5196345	Shell Set - Connecting Rod Bearing - .010 U/S	A.R.
	5196346	Shell - Upper - .010 Under Size	A.R.
	5196347	Shell - Lower - .010 Under Size	A.R.
	5196348	Shell Set - Connecting Rod Bearing - .020 U/S	A.R.
	5196349	Shell - Upper - .020 - Under Size	A.R.
	5196350	Shell - Lower - .020 - Under Size	A.R.
	5196351	Shell Set - Connecting Rod Bearing - .030 U/S	A.R.
	5196352	Shell Set - Upper - .030 U/S	A.R.
	5196353	Shell Set - Lower - .030 U/S	A.R.
10	5198467	Piston Assembly - Includes Bushing and Retainer	8
	5197933	Ring Set - Incl. Std. rings for one piston	8
11	5132606	Ring - Piston Compression - Top Std. Fire	8
12	5122321	Ring - Piston Compression - Std.	24



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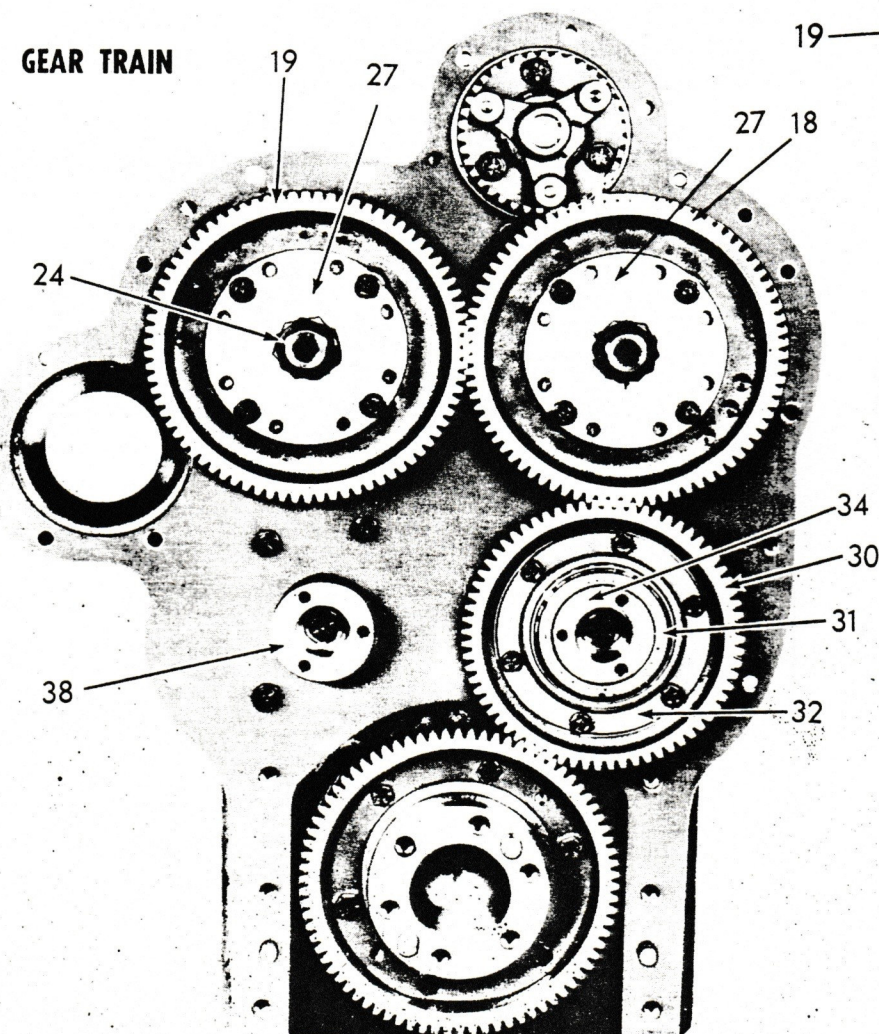
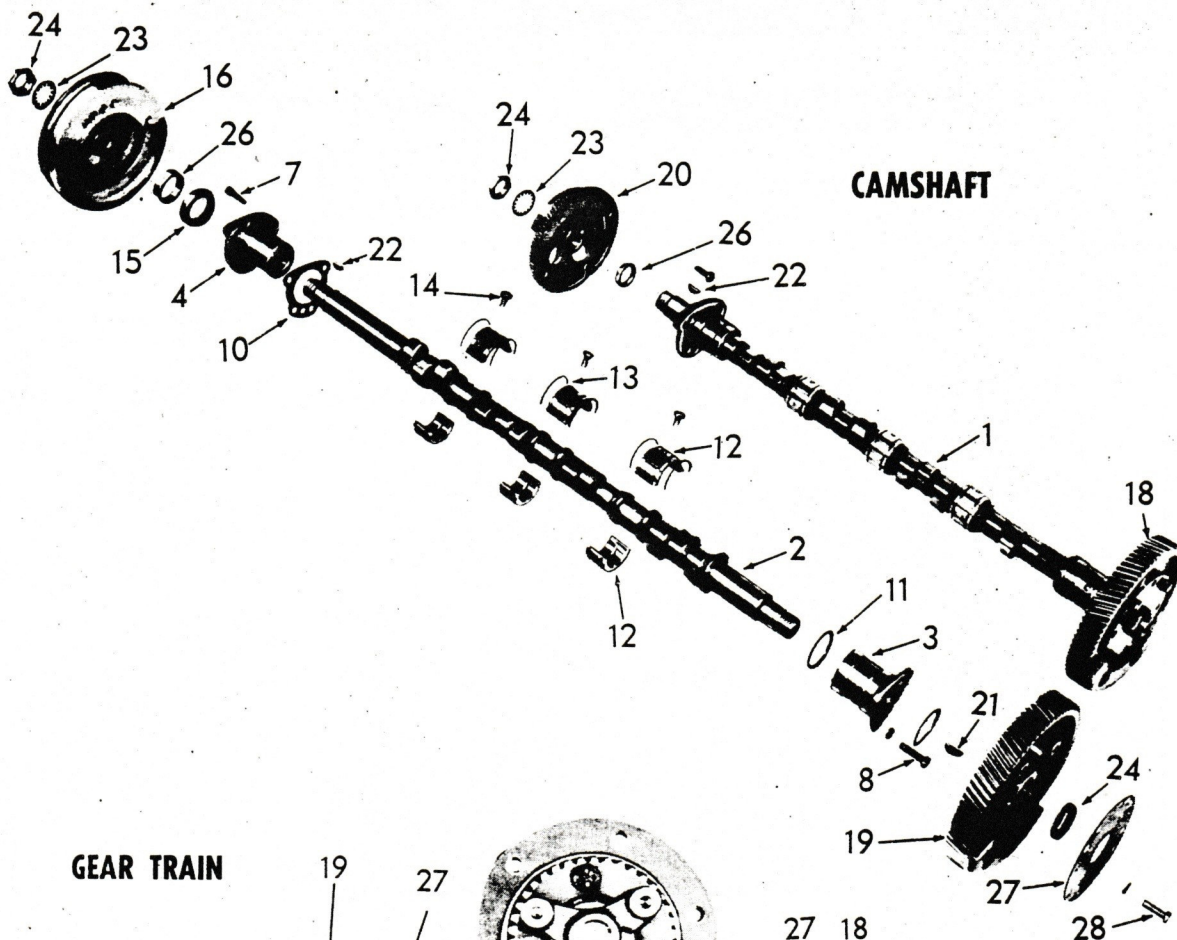
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KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 8-31		<u>CONNECTING RODS & PISTONS (Cont'd)</u>	
13	5197489	Ring Set (Std.) - Oil Control - Includes 2 scrapers, 1 expander & 1 Ring	8
14	5188406	Pin - Piston - Std.	8
	5194543	Pin - Piston - .010 O/S	A.R.
15	5155839	Bushing - Piston Pin	16
16	5188405	Retainer - Piston Pin	16
17	5113953	Liner - Cylinder - Std.	8
	5193732	Liner - Cylinder - .005 O/S on O.D.	A.R.
	5193733	Liner - Cylinder - .010 O/S on O.D.	"
	5193734	Liner - Cylinder - .020 O/S on O.D.	"
	5193735	Liner - Cylinder - .030 O/S on O.D.	"
	5198465	Cylinder Kit - Includes one Std. Piston, Ring Set, Piston Pin & Liner	"
	5184484	Insert - Cylinder Liner - Std. - Std. & .005 Liner	8
	5194073	Insert - Cylinder Liner - .004 U/S - Std. & .005 O/S Liner	A.R.
	5194074	Insert - Cylinder Liner - .008 U/S - Std. & .005 O/S Liner	"
	5193316	Insert - Cylinder Liner - Std. - .010 to .030 O/S Liner	"
	5194163	Insert - Cylinder Liner - .004 U/S - .010 to .030 O/S Liner	"
	5194164	Insert - Cylinder Liner - .008 U/S - .010 to .030 O/S Liner	"

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KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 8-32		<u>CAMSHAFT & GEAR TRAIN</u>	
1	5117853	Camshaft R.H. (Looking at Flywheel End) Stamped - 5117872	1
2	5117854	Camshaft L.H. (Looking at Flywheel End) Stamped - 5117871	1
	5151277	Plug - Camshaft	4
3	5111422	Bearing - Camshaft End - Rear - Incl. bushings - std.	2
4	5117984	Bearing - Camshaft End - Front - Incl. bushings - std.	2
	5194858	Bearing - Camshaft End - Rear - Incl. bushings - .010 U/S	*
	5197569	Bearing - Camshaft End - Front - Incl. bushings - .010 U/S	*
	5194859	Bearing - Camshaft End - Rear - Incl. bushings - .020 U/S	*
	5197613	Bearing - Camshaft End - Front - Incl. bushings - .020 U/S	*
	5111423	Bushing - Camshaft End - grooved	8
	5194825	Bushing - Camshaft End - .020 U/S (ream on Assy.)	8
7	9414268	Bolt - 3/8 - 16 x 1 1/2 - Front	6
8	186622	Bolt - 3/8 - 16 x 1 1/4 Rear	6
	103321	Lockwasher - 3/8	6
10	5117243	Gasket - Camshaft Front End	1
11	5111424	Washer - Camshaft End Bearing Thrust - Std.	4
	5194826	Washer - Camshaft End Bearing Thrust - .005 O/S	*
	5194827	Washer - Camshaft End Bearing Thrust - .010 O/S	*
12	5196026	Bearing Set - Camshaft Intermediate - Std.	6
	5196029	Bearing Set - Camshaft Intermediate - .010 O/S on O.D.	*
	5196027	Bearing Set - Camshaft Intermediate - .010 U/S on I.D.	*
	5196028	Bearing Set - Camshaft Intermediate - .020 U/S on I.D.	*
		<u>NOTES:</u> - A bearing set consists of two (2) pieces. The last two must be reamed after installed.	
13	5115572	Ring - Camshaft intermediate bearing lock	12
14	5117649	Bolt - Camshaft intermediate bearing lock	6
15	5116476	Seal - Camshaft oil - (at front balancer pulley)	1
16	5122258	Pulley - Front balancer - Camshaft	1
18	5121815	Gear - Camshaft - Rear - R.H. - (Looking at flywheel)	1
19	5121816	Gear - Camshaft - Rear - L.H. - (Looking at flywheel)	1
20	5126904	Gear - Camshaft - Front - (Accessory Drive) 66 Teeth	1
21	5153914	Key - 1/4 x 1 Woodruff	2
22	127559	Key - 1/4 x 3/4 Woodruff	2
23	5177769	Lockwasher - 1 1/8	4
		Qty. - 1 1/8 - 1 1/4 x 1 1/8	4
*		Quantity - As Required	

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KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 8-32		<u>CAMSHAFT & GEAR TRAIN - Continued</u>	
	5126903	Weight - Front Balancer	1
	9409035	Bolt - 3/8 - 24 x 1 - Hex Hd. Lock	2
26	5116485	Spacer - Camshaft Gear - Front - (.64" Long)	2
27	5172734	Retainer - Camshaft Gear Nut	2
28	186627	Bolt - 3/8 - 24 x 1	8
	103321	Lockwasher - 3/8	8
30	5113817	Gear - Idler	1
31	7451142	Bearing - Idler Gear	1
32	5176998	Retainer - Idler Gear Bearing	1
	5176999	Lock - Bolt 3/8	3
	446072	Bolt - 5/16 - 24 x 1/2	6
34	5130135	Hub Assembly - Idler Gear	1
	5151444	Dowel - Hollow	1
	5167714	Washer	1
	454992	Bolt - 1/2 - 13 x 2 1/2	1
38	5131719	Spacer Assembly - Idler Gear Hole	1
	5151444	Dowel - Hollow	1
	454992	Bolt - 1/2 - 13 x 2 1/2 - Hub to cylinder block	1
	5167714	Washer	1
	5123497	Weight - Rear Balancer	2
	5108421	Screw - 3/8 - 24 x 1 5/8 Flat Hd.	4
	9413980	Nut - 3/8 - 24 Hex.	4
		Quantity - As Required	

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KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 8-51		<u>BALANCE WEIGHT COVER</u>	
1	5123565	Cover Assembly	1
4	141236	Pin - Dowel - 3/8" x 12"	3
	179848	Bolt - 3/8" - 16 x 2 1/4"	2
	181371	Bolt - 3/8" - 24 x 1 3/8	6
	179888	Bolt - 1/2" - 13 x 1 7/8"	1
	271564	Bolt - 5/8" - 11 x 2 1/2	2
	103341	Washer - 3/8" Flat	8
	103343	Washer - 1/2" Flat	1
	103345	Washer - 5/8" Flat	2
	103321	Lockwasher - 3/8"	*
	103323	Lockwasher - 1/2"	*
	117049	Nut - 3/8" - 24 Hex. Head	4
3	5123638	Gasket - Balance Weight Cover	1
2	5129360	Bracket - Engine Filter	1

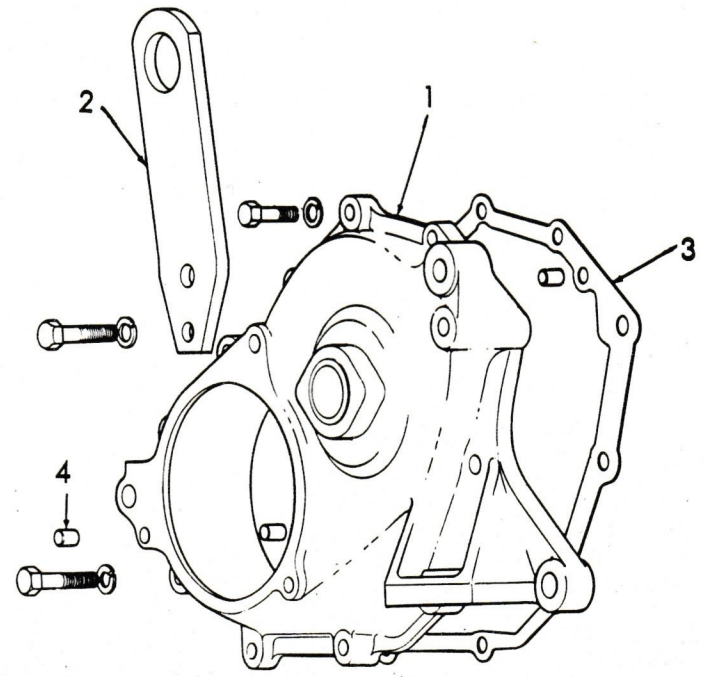


PLATE 8 - 51: BALANCE WEIGHT COVER

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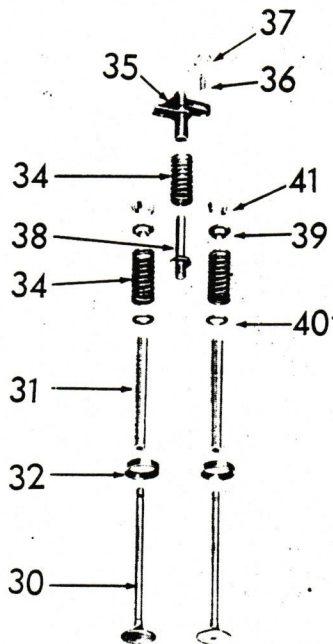
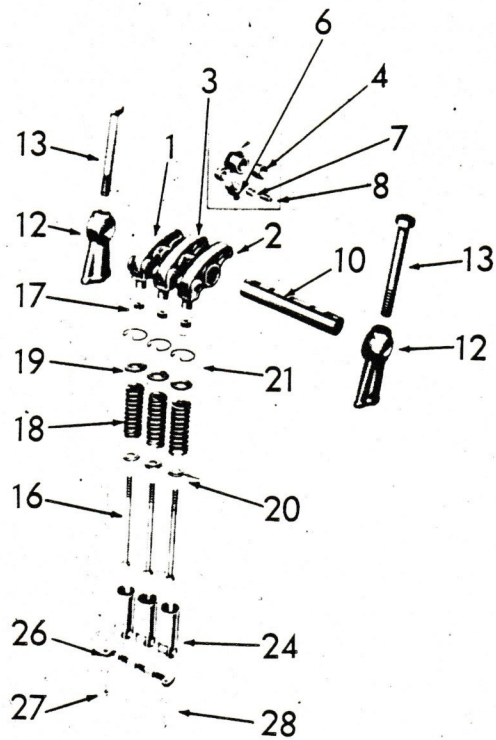


PLATE 8 - 33 - VALVE OPERATING MECHANISM



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KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 8-33		<u>VALVE OPERATING MECHANISM</u>	
		ARM ASSEMBLY - Exhaust & Injector - Includes bushing, clevis and pin.	
1	5111340	Arm Assembly - Exhaust valve rocker - left	8
2	5111343	Arm Assembly - Exhaust valve rocker - right	8
3	5179954	Arm Assembly - Injector rocker	8
4	5122445	Bushing - Exhaust valve rocker arm - large (at shaft)	16
4	5150318	Bushing - Injector rocker arm - large (at shaft)	8
	5150311	Bushing - Rocker arm - small	24
6	5150312	Clevis - rocker arm	24
7	5123700	Bushing - Rocker arm clevis pin	24
8	5150314	Pin - Rocker arm clevis - push rod end	24
10	5150322	Shaft - Rocker arm	8
	5151272	Plug	8
12	5150324	Bracket - Rocker shaft	16
13	5150325	Bolt - Rocker shaft bracket	16
16	5128640	Rod - push	24
17	5151601	Locknut - push rod	24
18	5186858	Spring - push rod	24
19	5150302	Seat - push rod spring - upper	24
20	5123250	Seat - push rod spring - lower	24
21	5150303	Retainer - push rod - (snap ring)	24
	5196782	Roller Set - Cam follower - .005 O/S	*
24	5115087	Follower Assembly - cam	24
	5195220	Roller Set - Cam follower - includes roller, bushing and pin	24
26	5150298	Guide - Cam follower	8
27	443603	Bolt - 1/2 - 20 x 3/4	16
28	103319	Lockwasher - 1/4	16
30	5195167	Valve - Exhaust - includes locks	32
31	5119992	Guide - Exhaust valve	32
32	5109027	Insert - Exhaust valve - std.	32
	5197505	Insert - Exhaust valve - .010 O/S	*
34	5117561	Spring - Exhaust valve	32

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KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 8-33		VALVE OPERATING MECHANISM (Continued)	
35	5117565	Bridge - Exhaust Valve	16
36	5129101	Screw - Adjusting	16
37	5151601	Nut	16
38	5117564	Guide - Exhaust Valve Bridge	16
39	5117563	Cap - Exhaust valve spring	32
40	5117562	Seat - Exhaust valve spring	32
41	5111337	Lock - Exhaust valve spring - half	64
		<u>ROCKER COVERS</u>	
	5132448	Cover Assembly - Rocker with Breather - Left Bank Viewing Flywheel	1
	5178382	Cover Assembly - Rocker - Right Bank - Viewing Flywheel (Plain)	1
	5150328	Gasket - Rocker Cover	2
	5157194	Bolt Assembly - Rocker Cover	4
	5150333	Plain Washer - 3/8 x 7/8	4
	455532	Pin Spring - 1/8 x 1/2	4
	5157192	Stud - Rocker Cover	4
	5117362	Squeeze Cap - 2"	1
	5179359	Chain - For Squeeze Cap	1
	5150147	Strainer	1
	108636	Cotter Pin	2
	218322	Washer	2

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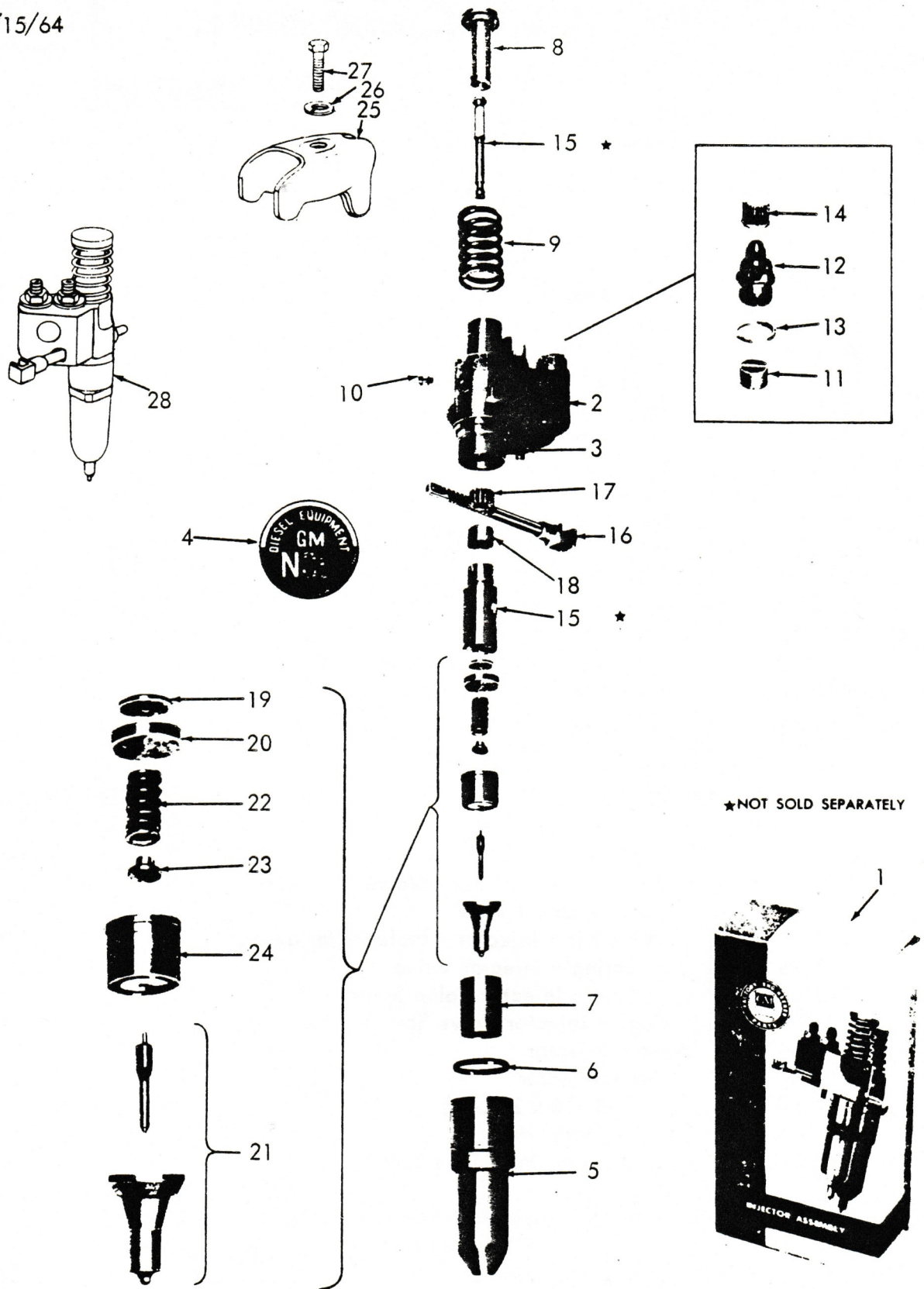


PLATE 8 - 60 - N-60 INJECTORS

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KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 8-50		<u>FUEL INJECTORS (N60 SERIES)</u>	
28	5228760	Injector Assembly - (N60) Includes the following:	8
2	5228583	Body Assembly (Includes Dowel & Plugs)	8
3	5226416	Dowel	8
	5226912	Plug - Body	16
4	5228779	Tag - Number N60	8
5	5228601	Nut - Injector Valve	8
6	5226564	Ring - Injector Seal	8
7	5228109	Deflector - Injector Spill	8
8	5228104	Follower - Injector	8
9	5228511	Spring - Injector Plunger	8
10	5228608	Pin - Injector Stop	8
11	5228587	Element - Injector Filter	16
12	5228588	Cap - Injector Filter	16
13	5226186	Gasket - Injector Filter Cap	16
14	5226414	Cap - Injector Shipping	As Req'd
15	5228656	Plunger & Bushing Assembly - N60	8
	5226393	Pin - Bushing Guide	8
16	5226719	Rack Assembly - Injector	8
17	5226400	Gear - Injector	8
18	5228586	Retainer - Injector Gear	8
19	5228746	Valve - Injector Check	8
20	5228696	Cage - Injector Check Valve	8
21	5228768	Tip Assembly - N60	8
	5228769	Valve Kit - Injector - Includes following	As Req'd
22	5228596	Spring - Injector Valve	8
23	5228766	Seat - Injector Valve Spring	8
24	5228594	Cage - Injector Valve Spring	8
25	5121259	Clamp - Injector	8
26	5150250	Washer - Injector	8
27	179847	Bolt - 3/8 -16 x 2" Long	8
	5150041	Tube - Injector Hole	8
	5160037	Ring - Injector Hole Tube Seal	8
	5198701	Service Kit - Includes 1 Seal Ring, 2 Filter Cap Gaskets, 2 Filter Elements and 2 Shipping Caps	As Req'd
1	5193171	Container - Injector Shipping	As Req'd



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KEY	PART NUMBER	DESCRIPTION	QTY.
<u>Plate</u> <u>8-35</u>		<u>FUEL PUMP</u>	
1	5134705	Pump Assembly - L.H. - Fuel - Complete 1/2" inlet fuel line	1
2	5177293	Body - Fuel Pump	1
3	141195	Pin - 1/4 x 5/8 Dowel	2
4	5134560	Cover - Fuel Pump - 1/2" Inlet fuel line	1
5	3719219	Bolt - 1/4 - 20 x 3/4 Hex. Socket Head - Includes Lockwasher	8
7	5230007	Seal - Fuel Pump - Oil	2
8	5181747	Shaft Assembly - Driven - Includes Gear	1
9	5181746	Shaft Assembly - Drive	1
	5178700	Shaft	1
	5174975	Gear	1
12	5174973	Valve - Fuel Pump	1
13	103709	Pin - 5/32 x 1" Straight	1
14	5184530	Spring - Fuel Pump Valve Retaining	1
15	5174971	Plug - Fuel Pump Valve	1
16	5161003	Gasket - Fuel Pump Valve Plug	1
18	5150199	Fork - Fuel Pump Coupling	1
	5118219	Bolt - Pump to Housing - With Seal Washer	3
20	5150193	Gasket - Fuel Pump to Housing	1
	5195078	Kit - Overhaul - Fuel Pump	As Req'd

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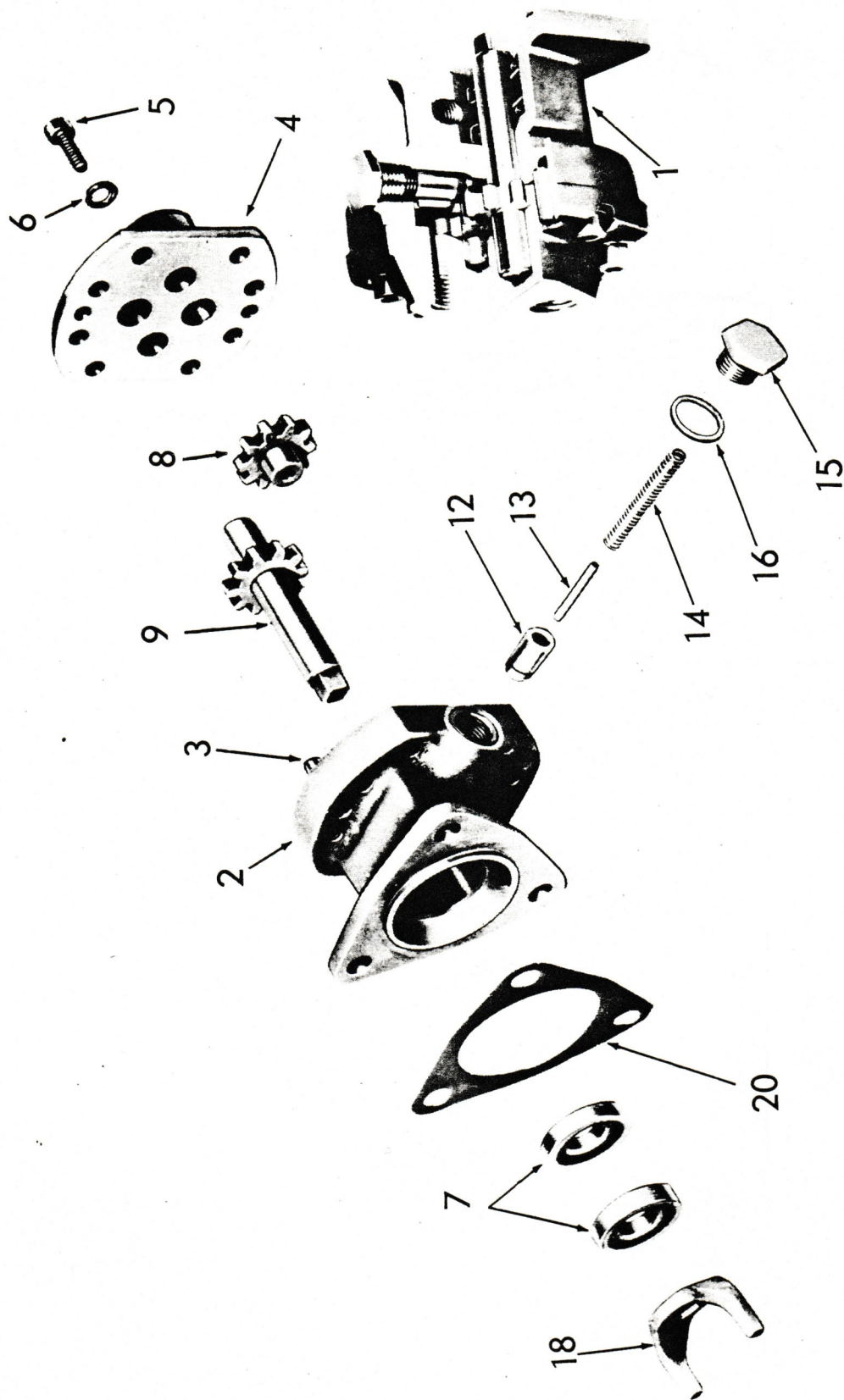


PLATE 8 - 35 - FUEL PUMP

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KEY	PART NUMBER	DESCRIPTION	QTY.
FUEL STRAINER ASSEMBLY			
Plate 8-52	6435875	Fuel Strainer Assembly (T-74)	1
4	5574161	Gasket - Fuel Strainer Cover	1
5	6435874	Cover - Fuel Strainer	1
7	103879	Plug - 3/8" Pipe	1
6	6435793	Bolt - With Cover Marked P.	1
8	6435794	Gasket - With Cover Marked P. - Cover Screw	1
3	5575032	Element (8" Sock Type) (A.C. Type T-552) Includes following Gaskets:	1
4	5574161	Gasket - Fuel Strainer Cover	1
8	6435794	Gasket - With Cover Marked P - Cover Screw	1
2	5575056	Shell Assembly - Includes drain	1
1	103647	Drain Cock - 1/4"	1
	5575060	Retainer - Strainer Element	1
	5574124	Spring - Retainer	1
	5574122	Seal - Spring Retainer	1
	5574120	Ring - Retaining	1
	5574126	Seal - Strainer Element Seat	1
	6436060	Decal	1

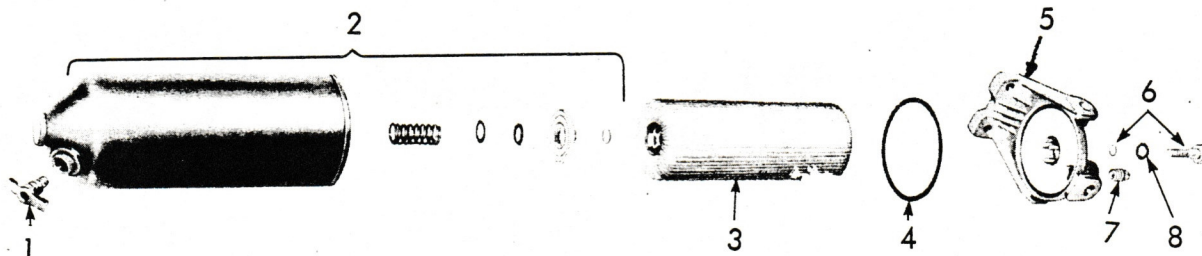
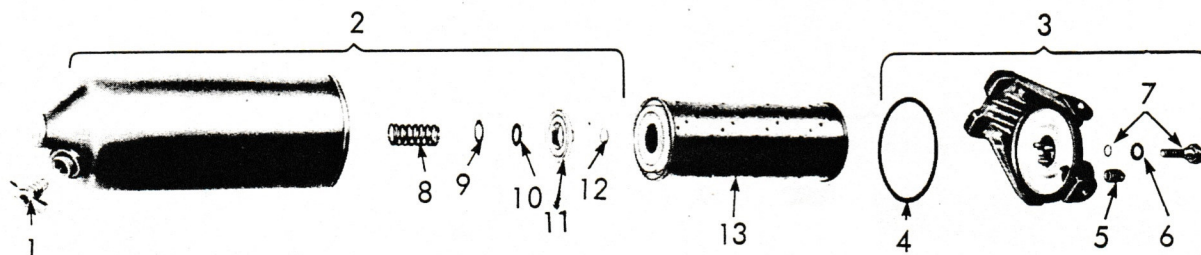


PLATE 8 - 52: FUEL STRAINER ASSEMBLY

Challenger**PARTS MANUAL**

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 8-53		<u>FUEL FILTER ASSEMBLY</u>	
	5574533	Filter Assembly - Fuel (T-65)	1
13	5574508	Element - 8" Paper - Includes Gasket	1
2	5575169	Shell - Fuel Filter	1
	5574516	Decal	1
10	5574123	Seat - Fuel Filter Element	1
11	5574126	Seal - Fuel Filter Element	1
12	5574120	Retainer - Fuel Filter Element	1
8	5574124	Spring - Fuel Filter Element	1
9	5574122	Seat - Fuel Filter Element Spring	1
3	6436254	Cover - Fuel Filter	1
4	5574161	Gasket - Fuel Filter Cover Shell	1
7	5574118	Screw - Fuel Filter Cover	1
6	1503536	Gasket - Fuel Filter Cover Screw	1
1	103647	Draincock	1
5	103878	Plug	2

PLATE 8 - 53: FUEL FILTER ASSEMBLY



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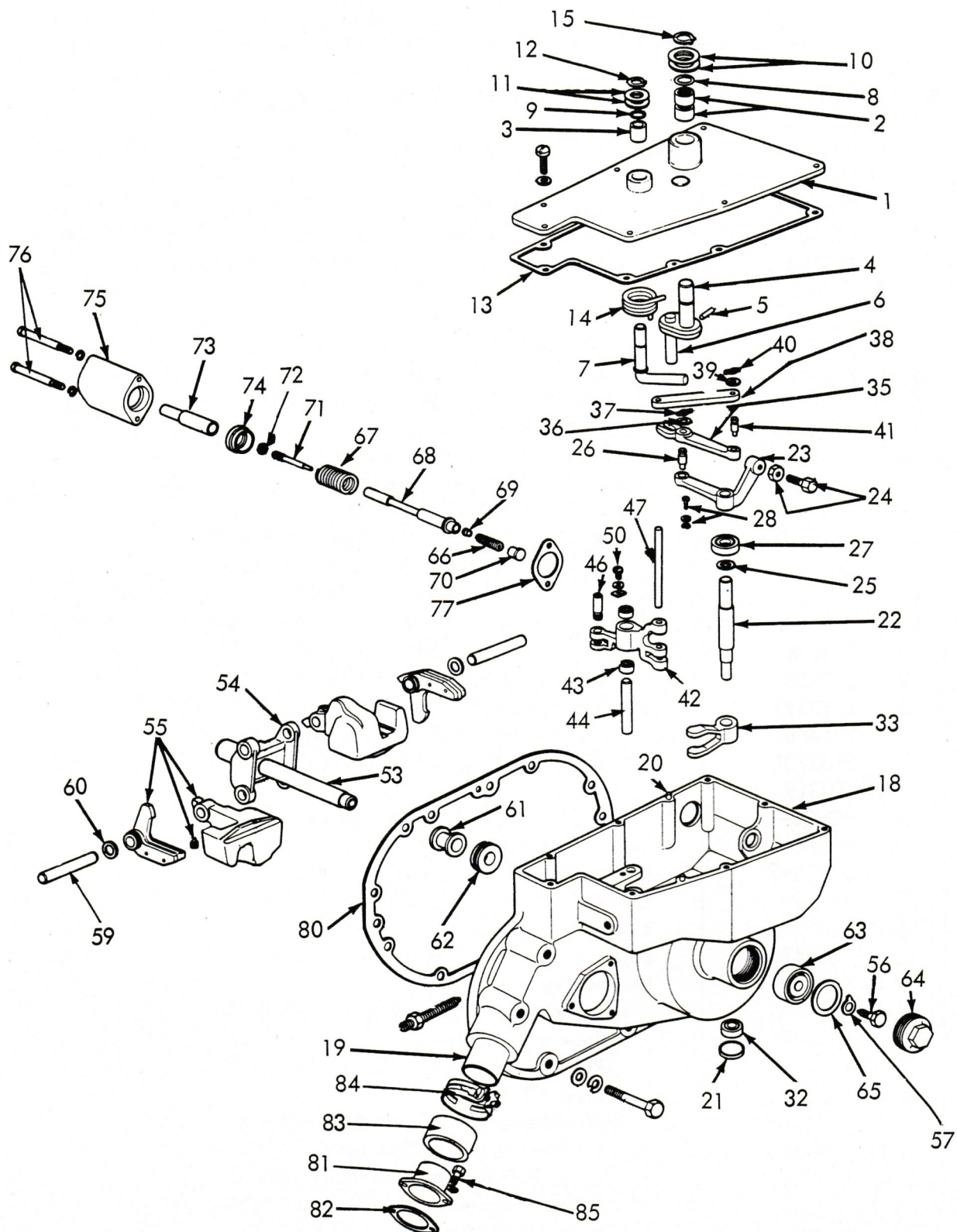
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KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 8-54		<u>GOVERNOR - Limiting Speed</u>	
	5133599	Governor Assembly - Complete	1
	5127729	Cover Assembly	1
1	5127259	Cover Assembly - Less Shaft & Levers	1
2	148402	Bearing - Governor Throttle Shaft - 1/2" x 1/2" needle	2
3	5127267	Bushing - Governor Shutdown Shaft (3/8 I.D. x 7/8 lg.)	1
4	5117928	Shaft Assembly - Governor Throttle	1
5	113500	Pin - 1" x 7/8" Taper	2
6	5117927	Pin - Governor Throttle Shaft Fulcrum Lever	1
7	5127212	Shaft - Governor Shutdown	1
14	5131368	Spring - Governor Shutdown Shaft	1
8	5176557	Seal Ring - Governor Throttle Shaft -.487" I.D.	1
	5197151	Washer - 33/64" I.D. Seal Ring Back-Up	1
9	5182977	Seal Ring - Fuel Shut Off Shaft -.362" I.D.	1
	5197150	Washer - 25/64" I.D. Governor Shut Down Shaft	1
10	5153060	Retainer - Shaft Seal Ring - Governor Throttle Shaft	2
15	5174429	Ring - Shaft Seal Ring Retainer - Governor Throttle Shaft	1
11	5151487	Washer - Fuel Shut Off Lever Shaft	2
12	5178581	Ring - Retainer - Fuel Shut Off Lever Shaft	1
13	5117899	Gasket - Cover to Housing	1
	271468	Bolt - 1/4 - 20 x 51.8 Fil. Hd. - Cover to Housing	7
	5183701	Bolt - 1/4 - 20 x 5/8 Fil. Hd. Drilled - Cover to Housing	1
	103319	Lockwasher - 1/4"	A.R.
	8C-22-1	Lever - Engine Stop - Fuel Shut Off	1
	8B-22-1	Lever - Fast Idle Over-rule	1
	8C-22-2	Bracket - Governor Over-rule	1
	8C-22-3	Spacer Plate - Fast Idle limiting cylinder	1
15	8C-22-4	Bracket - Mtg. Solenoid Valve on Governor	1
16	186647	Bolt - 1/4 - 20 x 7/8 - Pinch - Lever	2
17	103319	Lockwasher - 1/4"	A.R.
18	5124426	Housing Assembly - Includes Tube & Pin	1
19	5124332	Tube - Housing	1
20	5150942	Pin - Dowel	2
21	116337	Plug - 1/16 Expansion	1
	5133795	Shaft Assembly - Governor Operating	1
22	5133680	Shaft - Governor Operating	1
23	5132747	Lever - Governor Operating Shaft	1
24	113903	Screw - Governor # 10 - 24 x 7/16 Rd. Hd.	1
24	9421917	Screw & Washer - # 10 - 28 x 7/16	1
26	5150943	Pin - Governor Operating Shaft Lever	1
27	9420900	Bearing - Governor Operating Shaft (Upper)	1
		Spacer	1

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KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 8-54		<u>GOVERNOR - Limiting Speed (Cont'd)</u>	
28	120391	Washer - Governor Operating Shaft (Upper)	1
	5132962	Screw - #10 - 24 x 7/16 Rd. Hd. Gap Adj.	1
32	954987	Bearing - Governor Operating Lever (Lower)	1
	122161	Nut - 1/4 - 28 Hex.	1
33	5133062	Fork - Governor Operating Shaft	1
35	5150394	Lever Assembly - Governor Differential	1
	5150894	Pin - 25/32" Lg. Governor Differential Lever	1
36	5150941	Washer - Governor Differential Lever	1
37	142583	Retainer - Governor Differential Lever - 13/64 Spring	1
38	5117210	Link - Governor Operating Lever Connecting	1
39	5150941	Washer - Governor Operating Lever Connecting Link	1
40	142583	Retainer - Governor Operating Lever Connecting Link - 13/64 Spring	1
41	5150894	Pin - Governor Differential Lever - Use #5117929 Prior to Serial # 6VA-6062	1
42	5127373	Lever Assembly - Governor Control Lin Operating	1
43	447196	Bearing - Governor Control Link Operating Lever	2
44	5122157	Pin - Lever - 3/8 x 1 29/32" Long	1
46	5117693	Pin - Lever - 5/16 x 1 " Long	1
47	5127375	Pin - Lever - .309 Dia. x 3.12" Long	1
50	5122263	Clip - Governor Shaft Lock	1
50	9421917	Screw & Lockwasher #10 - 24 x 7/16 Rd. Hd. Slot	1
50	5150885	Washer - Lever	2
	5122163	Carrier & Weight Assembly	1
	5183624	Shaft & Carrier Assembly	1
53	5150923	Shaft - Governor Weight Carrier	1
54	5184336	Carrier - Governor Weight	1
55	5117737	Weight - Governor - High Speed	2
	5122162	Weight - Governor - Low Speed	2
	5151059	Screw - Governor Weight	2
59	5183632	Shaft - Governor Weight	2
60	5151487	Washer - Governor Weight Shaft	4
61	5117193	Riser - Governor	1
62	451905	Bearing - Governor Weight Riser Thrust	1
63	954716	Bearing - Governor Weight Shaft End	1
56	5150884	Screw - Governor Weight Shaft End Bearing	1
57	5150897	Lockwasher - Weight Shaft End Bearing	1
	5150941	Washer - Governor Weight Shaft End Bearing	1
64	5117297	Cap - Governor Weight Housing	1
65	5165221	Gasket - Governor Weight Housing Cap	1
66	5151604	Spring - Governor Low Speed	1
67	5122269	Spring - Governor High Speed	1
		Pin - Governor Low Speed (5 5/16 Long)	1

PARTS MANUAL

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 8-54		<u>GOVERNOR - Limiting Speed (Cont'd)</u>	
69	5150892	Seat - Governor Low Speed Spring	1
70	5117931	Cap - Governor Low Speed	1
71	5182556	Screw - Governor Low Speed Spring Adjusting	1
72	122161	Nut - Governor Low Speed Spring Adjusting - 1/4 - 28 Hex.	1
73	5182557	Retainer - Governor High High Speed Spring - 2 3/4 Long	1
74	5182558	Locknut - Governor High Speed Spring Retainer	1
75	5182559	Housing - Governor High Speed Spring Adjusting Screw	1
76	445520	Bolt - 5/16 x 3 1/2 - Housing	2
	5155596	Lockwasher - 5/16" Flat Copper	2
77	5152944	Gasket - Governor High Speed Spring Housing	1
80	5126499	Gasket - Governor to Blower	1
81	5124333	Cover - Governor Fuel Rod - Gov. to Cylinder Head Spacer	2
82	5123812	Seal Ring - Governor to Cylinder Head Spacer	2
83	5124355	Hose - Governor to Cylinder Head Spacer - 1"	2
84	111612	Clamp - Governor to Cylinder Head Spacer	2
85	443603	Bolt - Governor to Cylinder head Spacer - 1/4 - 20 x 3/4 Hex.	4
85	103319	Lockwasher - Governor to Cylinder Head Spacer - 1/4	4
	120392	Washer - Governor to Cylinder Head - 1/4	4
	179827	Bolt - 5/16 - 18 x 2 1/4 - Governor Assembly	7
	186271	Bolt - 5/16 - 18 x 3 3/4 - Governor Assembly	1
	186272	Bolt - 5/16 - 18 x 4 - Governor Assembly	1
	187512	Bolt - 5/16 - 18 x 5 1/4 - Governor Assembly	1
	5155596	Washer - Flat Copper - 5/16 - Governor Assembly	2
	120393	Washer - 5/16 Flat - Governor Assembly	1
	103320	Lockwasher - 5/16 Governor Assembly	10
	596330	Seal - Governor	As Req'd
	5132353	Nameplate - Governor	1
	109371	Drive Screw - Nameplate	2
		<u>AIR CYLINDERS - GOVERNOR</u>	
	6C-10-1	Air Cylinder Assembly - Fast Idle Limiting & Engine Stop	2
	6C-10-2	Cup - Piston	2
	6C-10-3	Spring - Piston Return	2
	6C-10-4	Piston Assembly - Air Cylinder	2
		<u>NOTE: For Mtg. Brackets - See Page 8 - 27</u>	

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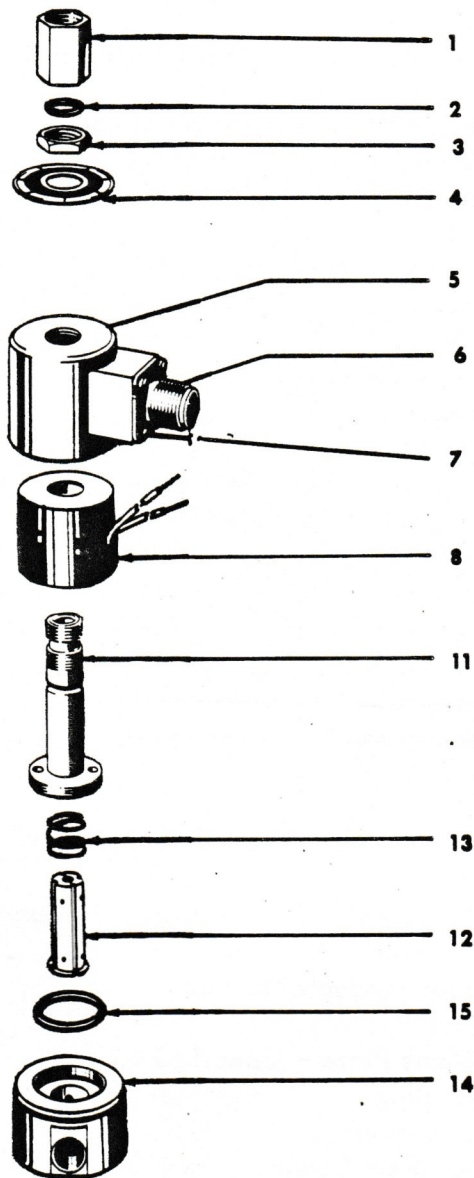


PLATE 8 - 20 - AIR VALVE

Challenger**PARTS MANUAL**

KEY	PART NUMBER	DESCRIPTION	QTY.
<u>SOLENOID VALVES</u>			
Plate 8-20			
	16B-10-12	Solenoid Valve - Air - Engine Stop - Fuel Shut off 24 Volt	1
1	16A-10-91	Adapter	1
2	16A-10-92	Seal - Adapter to Nut	1
3	16A-10-93	Nut	1
4	16A-10-94	Name Plate (Specify 24 Volt)	1
5	16A-10-95	Housing	1
6	16A-10-96	Connector	1
7	16A-10-97	Screws - Connector to Housing	1
	16A-10-98	Lockwire	1
8	16B-10-8	Coil (Specify 24 Volt)	1
	16A-10-100	Washer - Coil (Fish Paper)	1
	16A-10-101	Wrapper - Coil (Fish Paper)	1
11	16A-10-140	Sleeve Assembly	1
12	16A-10-141	Plunger Assembly	1
13	16A-10-142	Spring - Plunger to Sleeve	1
14	16A-10-143	Body and Seat Assembly	1
15	16A-10-106	Seal - Body to Sleeve	1
	16A-10-144	Connector	1
	16A-10-108	Clamp	1
<u>SOLENOID VALVE</u>			
	16B-10-7	Solenoid Valve - Air - High Idle Control (24 Volt)	1
1	16A-10-91	Adapter	1
2	16A-10-92	Seal - Adapter to Nut	1
3	16A-10-93	Nut	1
4	16B-10-9	Name Plate - (Specify 24 Volt)	1
5	16A-10-95	Housing	1
6	16A-10-96	Connector	1
7	16A-10-97	Screws - Connector to Housing - #4 - 40 x 3/16 Fil. Hd.	4
	16A-10-98	Lockwire - .020 x 7"	1
8	16B-10-8	Coil - (Specify 24 Volt)	1
	16A-10-100	Washer - Coil - (Fish Paper)	2
	16A-10-101	Wrapper - Coil - (Fish Paper)	1
11	16A-10-102	Sleeve Assembly	1
12	16A-10-103	Plunger Assembly	1
13	16A-10-104	Spring - Plunger to Sleeve	1
14	16A-10-105	Body & Seat Assembly	1
15	16A-10-106	Seal - Body to Sleeve	1
	16A-10-107	Connector	1
	16A-10-108	Clamp	1



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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>INJECTOR CONTROLS</u>	
	5196567	Tube Assembly (Right Bank)	1
	5196568	Tube Assembly (Left Bank)	1
	5120687	Bracket - Injector Control Tube	4
	186630	Bolt - 1/4 - 20 X 5/8" Long	8
	103319	Lockwasher - 1/4	A.R.
	5150259	Pin - Injector Control Tube End	2
	5150263	Lever - Injector Control Tube	2
	142486	Pin - 1/8 X 3/4 Groove	2
	5150843	Spacer - Injector Control Tube Lever	2
	5124142	Spring - Injector Control Tube Return	2
	5115321	Lever - Injector Control Tube Rack	8
	5176228	Screw - Injector Control Tube Rack	16
	5117942	Link - Long - Mechanical Governor - Right Bank	1
	5117191	Link - Short - Mechanical Governor - Left Bank	1
	5150265	Pin - Control Tube to Governor	2
	103361	Pin - 1/16 X 1/2 Cotter	4

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MODEL MC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
		* Effective Prior to Coach Unit No. 6410	
		** Effective With Coach Unit No. 6410	
		+ Effective Prior to Coach Unit No. 6632	
		++ Effective With Coach Unit No. 6632	
		<u>AIR CLEANER MANIFOLD</u>	
*	9C-3-90	Manifold S/A - Less Water Trap	1
*	9B-3-6	Ring S/A - Tapping, Large Outer	1
*	9A-3-93	Ring S/A - Tapping, Small Inner	1
	9C-3-98	Duct S/A - Manifold to Water Trap	1
*	9C-3-84	Water Trap S/A	1
*	9B-3-26	U-Channel - Top Reinf.	2
*	9C-3-86	Tapping Plate - Duct Mtg. to Trap	2
	9C-3-125	Bolt - Spool	2
	9C-3-135	Spool - Large Plastic	2
	9C-3-134	Spool - Small Plastic	2
	9C-3-128	Gasket - Spacer	4
	9C-3-94	Tube S/A - Aux. Air Intake (Oil Bath Only)	1
	9C-3-34	Drain Tube (Rubber) - Water Trap	1
	9C-3-104	Tube & Flange S/A - Reg. Vent	1
	9C-3-106	Hose - Connecting Vent Tubes	1
	9C-3-30	Baffle Ring - Cleaner to Manifold	4
+	9B-3-30	Bulge Hose - Eng. Air Intake	1
+	9B-3-31	Collar - Air Intake Hose	1
	9C-3-108	Plate - Closing Aux. Air Intake Hole (Dry Type Only)	1
	9A-3-98	Gasket - Air Cleaner, 7 $\frac{1}{2}$ " Dia.	4
	9A-3-99	Gasket - Air Cleaner, 11 $\frac{1}{2}$ " Dia.	4
**	9C-3-148.	Manifold Assy. - Air Cleaner	1



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MODEL MC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
		+ Effective Prior to Unit No. 6632 ++ Effective With Unit No. 6632	
		<u>AIR CLEANERS</u>	
	9C-3-1	Air Cleaner Assy., Complete (Oil Bath Type)	4
	9A-3-74	Oil Base	4
	9C-3-2	Baffle - 8 1/2" Dia.	4
	9B-3-39	Housing Assy.	4
	9B-3-40	Element	4
	9A-3-78	Clip - Spring	8
	9C-3-179	Gasket - Shell & Base	4
	N.P.N.	Cap Screw - Mtg. Inner Baffle, 3/8 - 24 x 3/4	24
	N.P.N.	Flat Washer - 3/8	24
	N.P.N.	Lockwasher - 3/8	24
	9C-3-107	Air Cleaner Assy., Complete (Dry Type)	4
	9C-3-110	Element Assy.	4
	9C-3-111	Flange Assy. - Outlet	4
	9C-3-112	Body Assy. - Inlet	4
	9C-3-113	Clamp Assy.	4
	9C-3-114	Cup Assy.	4
	9C-3-109	Baffle	4
	9C-3-115	Valve - Evacuator (Rubber)	4
	9C-3-116	Nut & Gasket Assy.	4
	N.P.N.	Cap Screw - Mtg. Inner Baffle - 3/8 - 24 x 3/4 Csk.	24
	9C-3-117	Filter Indicator C/W Safety Fitting	1
	9C-3-118	Dust Cap Only	1
	9C-3-119	Hose - Filter Indicator to Air Intake Manifold	1
	9C-3-120	Tapping Plate - Mtg. Filter Indicator	1
		DONALDSON ELEMENT, P/N P 527682, (NAPA 6556)	
		<u>AIR INLET HOUSING</u>	
+	9B-2-1	Air Inlet Housing Assembly - C/W Solenoid	1
+	9B-2-2	Housing Only - Air Inlet	1
+	9B-2-8	Butterfly Valve - Housing	1
+	9A-2-13	Spring	1
+	9A-2-14	Cam	1
+	9A-2-16	Stop - Solenoid Shaft	1
+	9A-2-22	Taper Pin	1

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PARTS MANUAL

MODEL MC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
		+ Effective Prior to Coach Unit No. 6632	
		++ Effective With Coach Unit No. 6632	
		<u>AIR INLET HOUSING</u>	
++	9C-2-2	Air Inlet Housing Assembly (Dual Inlet)	1
++	9C-2-1	Housing Only	1
++	7C-6-1	Solenoid Assembly (See Group 7.06 for Breakdown)	1
++	N.P.N.	Bolt - 1/4 x 1/2 N.C. - Gr. 5 Cad. Pl.	2
++	9C-2-4	Spring - Air Shut Off Valve	2
++	9C-2-5	Pin - Shut Off Valve	9
++	9C-2-6	Valve Assembly	2
++	N.P.N.	Washer - 3/8 Flat Cad. Pl.	1
++	9C-2-8	Seal Assembly	2
++	9C-2-9	Shaft	1
++	9C-2-10	Cam	1
++	9C-2-11	Latch	1
++	9C-2-12	Spacer	1
++	N.P.N.	Washer - Flat 1/4" - Pivot Bolt - Cad. Pl.	1
++	9C-2-14	Washer - Lock 1/4" - Pivot Bolt & Solenoid - Cad. Pl.	3
++	9C-2-16	Spring	1
++	9C-2-17	Handle Assembly	1
	N.P.N.	Bolt - Mtg. Inlet Hsg. on Engine - 3/8" x 4" N.C.	6
	N.P.N.	Bolt - Mtg. Inlet Hsg. on Engine - 3/8" x 2 3/4" N.C.	6
	9A-2-31	Fitting - Engine Starting Aid	1

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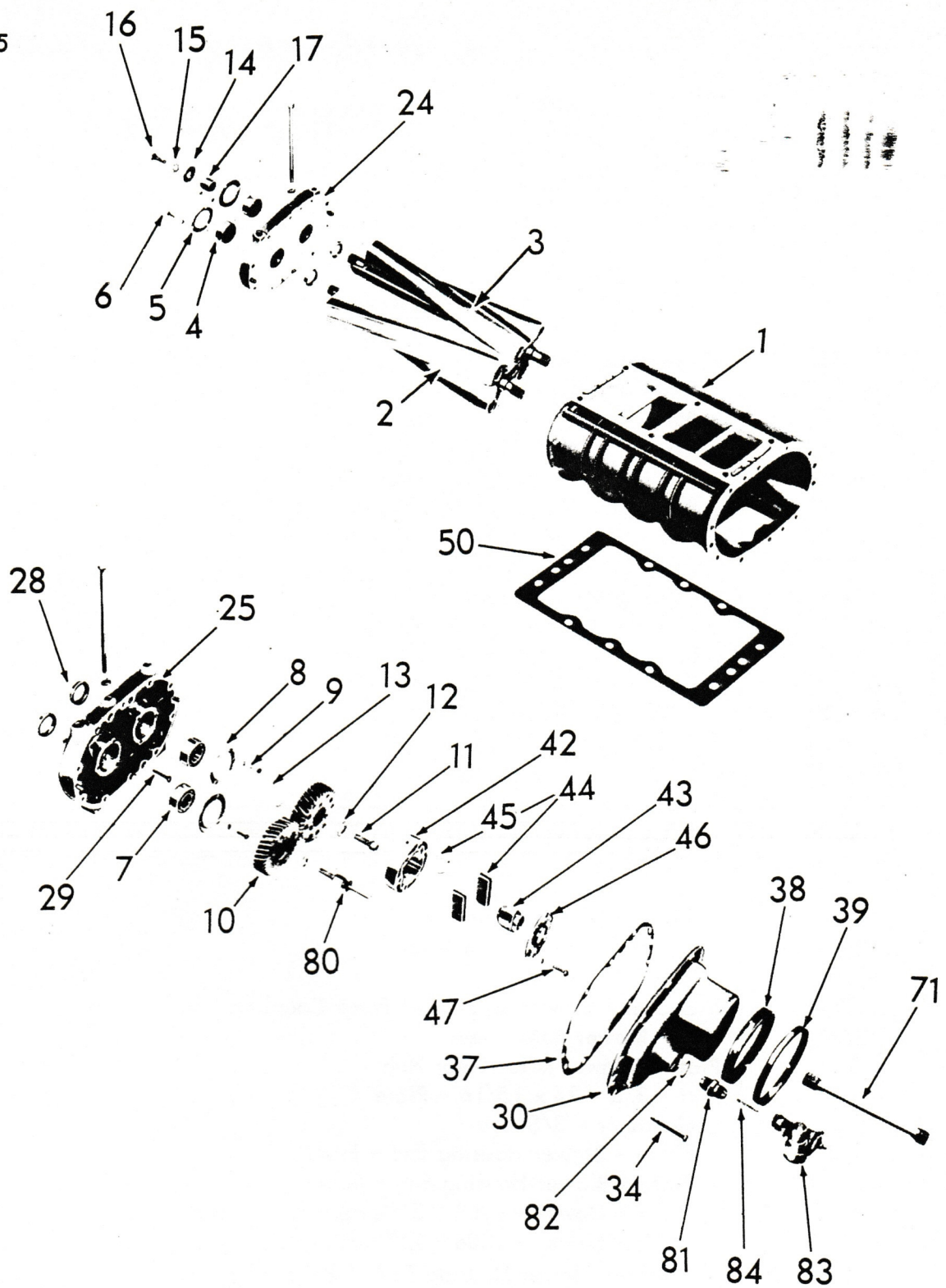


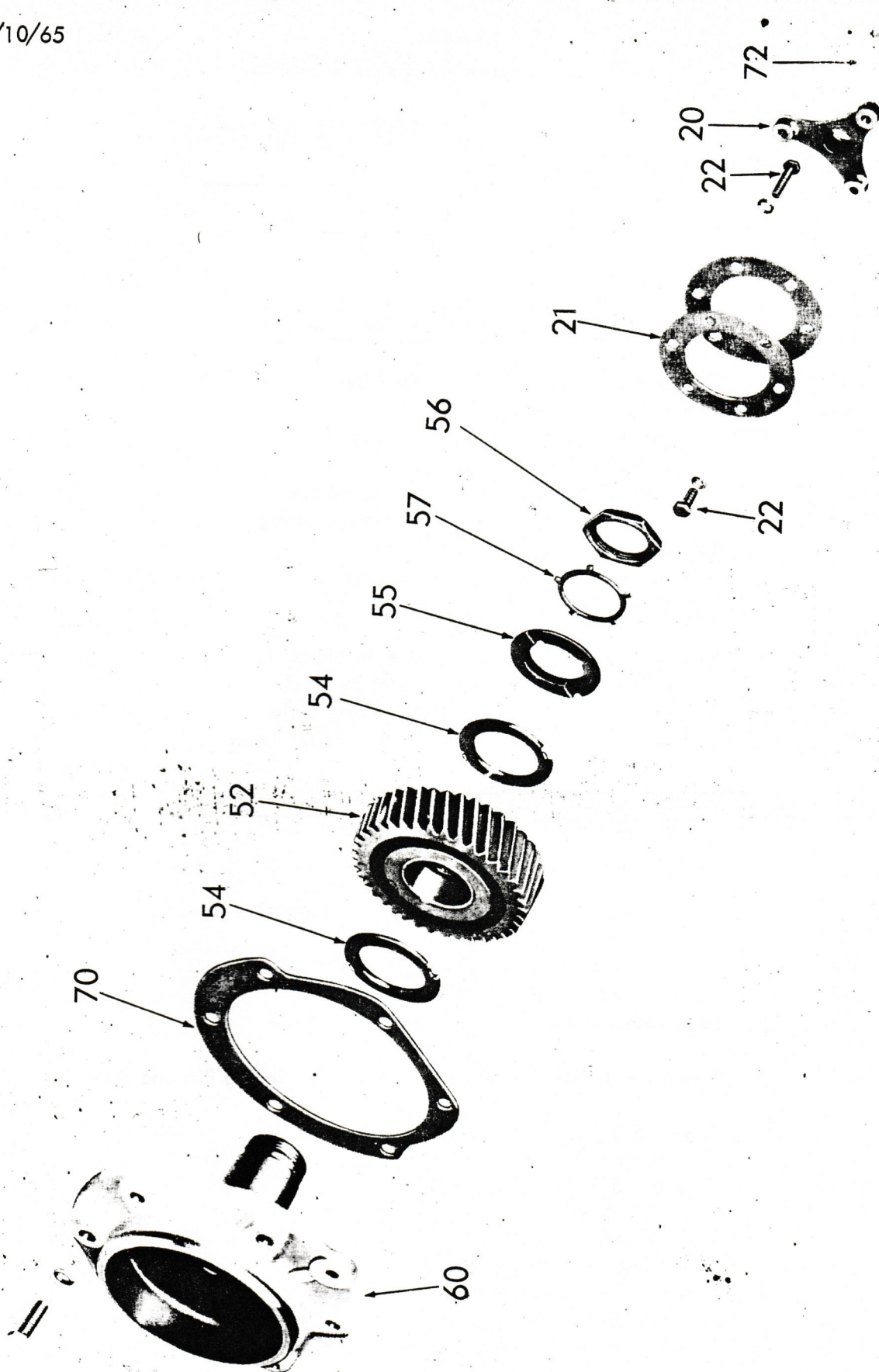
PLATE 8 - 42: BLOWER

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KEY	PART NUMBER	DESCRIPTION	QTY.
Plate			
8-42			
8-43		<u>BLOWER</u>	
	5121731	Blower Assembly - Complete	1
1	5117935	Housing - Blower	1
2	5117073	Rotor Assembly - L.H. Helix	1
3	5117069	Rotor Assembly - R.H. Helix	1
4	7451054	Bearing - Blower Rotor - Front	2
5	5179017	Retainer - Blower Rotor Front Bearing	2
6	443603	Bolt - 1/4 - 20 x 3/4 - Retainer	6
	103319	Lockwasher - 1/4	6
7	954418	Bearing - Blower Rotor - Rear	2
8	5179017	Retainer - Blower Rotor - Rear Bearing	2
9	443603	Bolt - 1/4 - 20 x 3/4 - Retainer	6
	103319	Lockwasher - 1/4	6
10	5196321	Gear Set - Blower Rotor	1
11	5117081	Bolt - Gear to Rotor Shaft	2
12	5117082	Spacer - Blower Gear	2
13	5150372	Shim - Blower Rotor Rear - .002	*
	5153938	Shim - Blower Rotor Rear - .003	*
	5150855	Shim - Blower Rotor Rear - .005	*
	5150856	Shim - Blower Rotor Rear - .010	*
14	5154401	Disc. - Blower Rotor Fuel Pump	1
15	5154398	Lockwasher - 1/2" Special	1
16	182776	Bolt - 1/2 - 20 x 1/4	1
17	5117778	Spacer - Blower Rotor Fuel Pump Coupling Disc.	1
20	5122914	Hub - Blower Rotor Gear	1
21	5122915	Plate - Blower Rotor Gear Hub	2
22	5122937	Bolt - 3/8 - 24 x 15/16 - Plate	6
	103321	Lockwasher - 3/8	6
24	5117458	Plate - Blower Housing End - Front	1
25	5123468	Plate - Blower Housing End - Rear	1
	5150542	Pin - Dowel - .308 x 2" Long - Front Plate	2
	5157933	Pin - Dowel - .308 x 7/8" Long - Rear Plate	2
28	5150220	Seal - Blower Housing End Plate	4
29	117296	Screw - 5/16 - 18 x 1 1/2 Fil. Head - End Plate	4
30	5196761	Cover - Blower Housing End Plate - Kit	1
	5168749	Plug - 7/8 - 14	1
	5124521	Reinforcement	1
34	186643	Bolt - 5/16 - 18 x 2 1/16	8
	5124520	Washer - Seal	1
	5159714	Washer - .328 I.D. x 11/16 x 1/8	8
37	5126499	Gasket - Blower Housing End Plate Cover	1
	5123257	Cover - Blower Drive	1
	5128630	Hub - 4 1/2" I.D. x 3" - Blower Drive Cover	1

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2-10-65 BLOWER DRIVE SUPPORT

Challenger

PARTS MANUAL

MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 8-42 8-43		<u>BLOWER - Continued</u>	
39	5120645	Clamp - Blower Drive Cover Packing	1
	5150344	Coupling - Blower Drive	1
42	5150345	Support - Blower Drive Coupling	1
43	5150348	Cam - Blower Drive Coupling	1
44	5196314	Spring - Blower Drive Coupling - Pack	1
45	5150346	Seat - Blower Drive Coupling - Spring	4
46	5150349	Retainer - Blower Drive Coupling	1
47	186649	Bolt - 5/16 - 24 x 1 5/8 - Coupling	6
	103320	Lockwasher - 5/16 - Coupling	6
	187491	Bolt - 3/8 - 16 x 5 1/2 - Blower to Block	4
	9411488	Bolt - 7/16 - 14 x 8 1/4 - Blower to Block	2
	5121814	Guide - Bolt - 3/4 W x .40 Diameter Hole	2
	5121905	Washer - 15/32 I.D. x 7/8 O.D. 5/32" Long	2
50	5123296	Gasket - Blower to Block	1
	5117591	Screen - Blower to Block	1
52	5122918	Gear - Blower Drive	1
	5120501	Bearing - Blower Drive Gear Hub Support	2
54	5117700	Washer - Blower Drive Gear Thrust	2
55	5117704	Washer - Blower Drive Gear Hub Thrust	1
56	5117727	Nut - 1 7/16 - 16 Blower Drive Gear Hub	1
57	5117720	Lockwasher - Blower Drive Gear - 1 15/32	1
60	5117722	Support - Blower Drive Gear Hub - With Spring Pin and Dowel Pins	1
	5117717	Tube - 5/16 x 2 1/4" Long - Lubrication	1
	114629	Connector - 5/16" Ball Sleeve	1
	114631	Sleeve - 5/16" Ball	1
	114630	Nut - 5/16 Ball Sleeve	1
	5124519	Ring - Seal - 1/8 x 5/16	1
	5121864	Nut - Seal - Blower end plate	1
	181361	Bolt - 3/8 - 24 x 7/8	2
	116103	Washer - 3/8 Copper	2
70	5117116	Gasket - Blower Drive Gear Hub Support	1
71	5130295	Shaft - Blower Drive Shaft - 7" Long	1
72	5154637	Ring - Blower Drive Shaft	1
	5196384	Gasket Kit - Blower Installation	A.R.
	5196383	Gasket Kit - Blower Repair	A.R.

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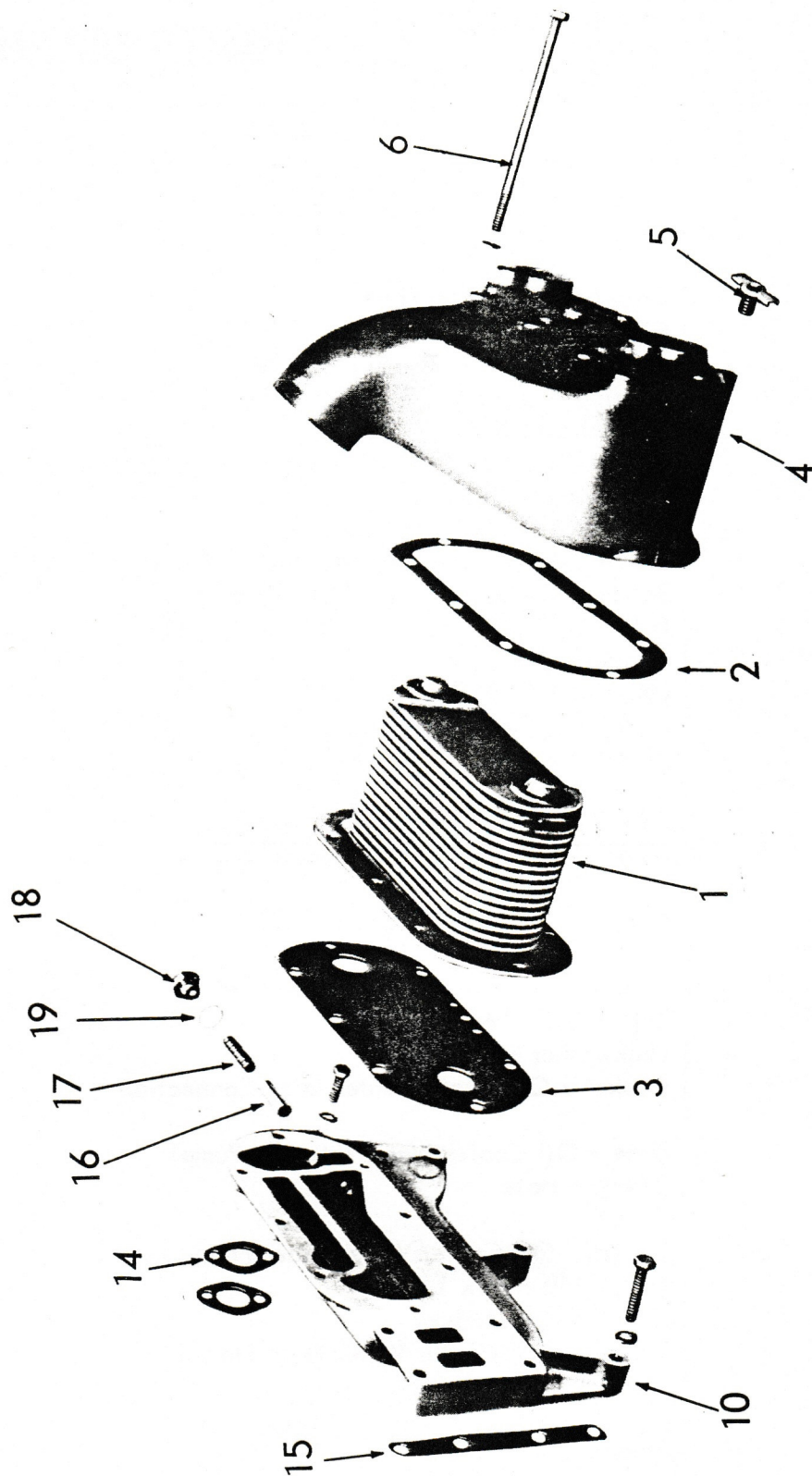


PLATE 3 - 37: OIL COOLER

Challenger

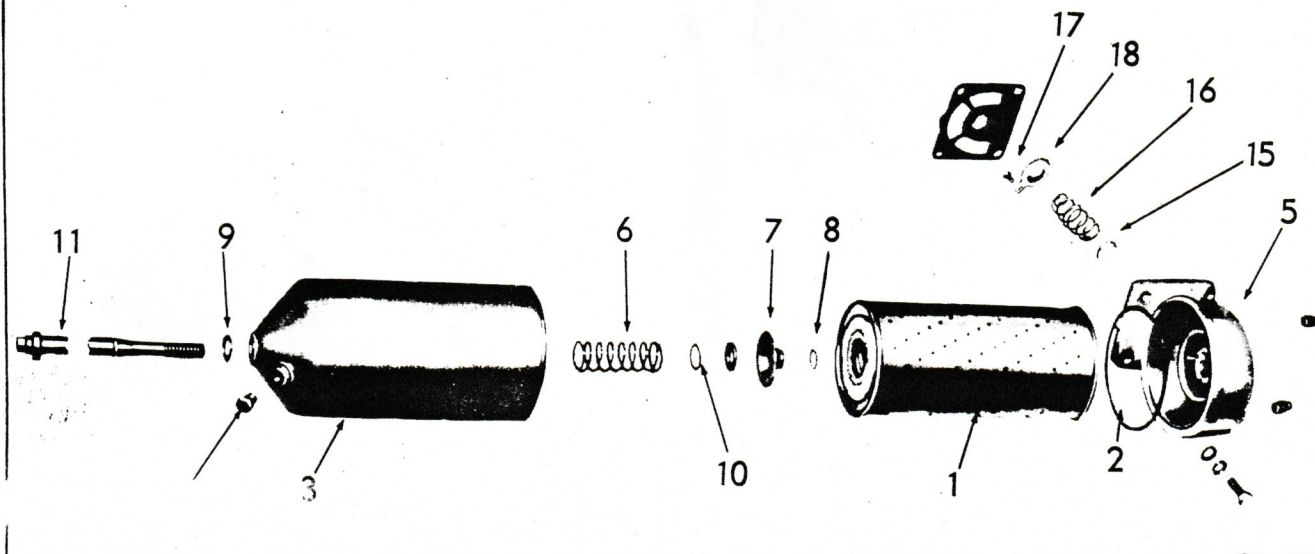
PARTS MANUAL

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 8-37		<u>OIL COOLER</u>	
1	8528885	Core Assembly - 16 Plate	1
2	5150155	Gasket - Oil Cooler Core - Inner	1
3	5154215	Gasket - Oil Cooler Core - Outer	1
4	5117823	Housing Assembly - Includes Studs	1
5	103647	Draincock - 1/4	1
6	215404	Bolt - 5/16 - 18 x 5 3/4 - Housing to Adapter	8
	103320	Lockwasher - 5/16	8
10	5133197	Adapter Assembly - Oil Cooler	1
	186619	Bolt - 3/8 - 16 x 1 1/8 - Adapter to Block	3
	186628	Bolt - 3/8 - 16 x 1 1/2 - Adapter to Block	2
	179846	Bolt - 3/8 - 16 x 1 7/8 - Adapter to Block	4
	120394	Washer - 3/8 Flat	*
	103321	Lockwasher - 3/8"	
14	5117535	Gasket - Adapter to Block	2
15	5126280	Spacer - Adapter to Block - 8.20L	2
16	5177777	Valve - Oil Cooler By-Pass	1
17	5177778	Spring - Oil Cooler By-Pass Valve	1
18	5177772	Plug - Oil Cooler By-Pass Valve	1
19	5177773	Gasket - Oil Cooler By-Pass Plug	1
	5124927	Connection - Oil Cooler Water Inlet	1
	186619	Bolt - 3/8 - 16 x 1 1/8	4
	103321	Lockwasher - 3/8	*
	5117476	Gasket - Oil Cooler Water Inlet Connection	1
	5117809	Hose - Oil Cooler Water Inlet (at Pump)	1
	9139809	Clamp - Hose	2
	5125598	Flange - Oil Cooler Water Hose (From Cooler)	1
	186622	Bolt - 3/8 - 16 x 1 1/4	2
	117049	Nut - 3/8 - 24 Hex.	2
	5125599	Gasket - Oil Cooler Water Hole Flange	1
*		Quantity - As Required	

PARTS MANUAL

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KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 8 - 44A		<u>LUBRICATING OIL FILTER</u>	
	5129656	Filter Assembly - Full Flow	1
1	5573014	Element - Oil Filter	1
2	5571024	Gasket	1
3	5574008	Shell - (AC type OF - 203)	1
	5573162	Decal	1
4	5570480	Plug - Drain	1
5	5124977	Adapter	1
6	5187308	Spring - Oil Filter	1
7	5187309	Retainer - Oil Filter Spring	1
8	5120602	Ring - Retainer Snap (Not Used On Engines effective Serial # 8VA-8326)	1
9	5187310	Gasket - Retainer - Oil Filter Cover Nut	1
10	5154538	Washer - Oil Filter Cover Nut Gasket	1
11	5120740	Stud - Oil Filter Centre	1
15	5575088	Valve - Oil Filter By-Pass	1
16	5575680	Spring - Oil Filter By-Pass Valve	1
17	9406220	Screw - Oil Filter By-Pass Valve Retainer	1
18	5574736	Retainer - Oil Filter By-Pass Valve	1
	122366	Nut - 5/8 - 18 Hex. (Used on engines effective Serial # 8VA-8326)	1
	5133084	Adaptor - Filter to Oil Cool Adaptor	1
	186622	Bolt - 3/8 - 16 x 1 1/4	1
	179849	Bolt - 3/8 - 16 x 2 1/2	1
	103321	Lockwasher - 3/8	4
	5123932	Gasket - Filter to Adaptor	1
	5117487	Gasket - Adaptor to Block	1



PARTS MANUAL

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 8-36		<u>OIL PUMP ASSEMBLY</u>	
	5131147	Oil Pump Assembly - Complete (R.H.)	1
1	5131148	Body Assembly - Oil Pump Includes Shaft & Seal	1
3	5115454	Seal - Crankshaft Oil - Front	1
2	5117466	Shaft - Oil Pump Driven Gear	1
	5117587	Gear - (1.302" Wide) Oil Pump Drive	1
4	5196602	Gear Set - (1.402" Wide) Oil Pump	1
	5117587	Gear - (1.302" Wide) Oil Pump Drive	1
	5117588	Gear - (1.302" Wide) Oil Pump Driven	1
5	5117599	Cover - R.H. Oil Pump	1
6	9409011	Bolt - 5/16 - 18 x 3/4 Lock	8
	179844	Bolt - 3/8 - 16 x 1 5/8	2
	186656	Bolt - 1/2 - 13 x 2 3/4	2
	103321	Lockwasher - 3/8	As Req'd
	103323	Lockwasher - 1/2	As Req'd
8	5121714	Gasket - Pump to Cylinder Block	1
11	5117020	Gear - (37 Teeth)	1
12	120502	Key - 3/16 x 7/8 Woodruff	1

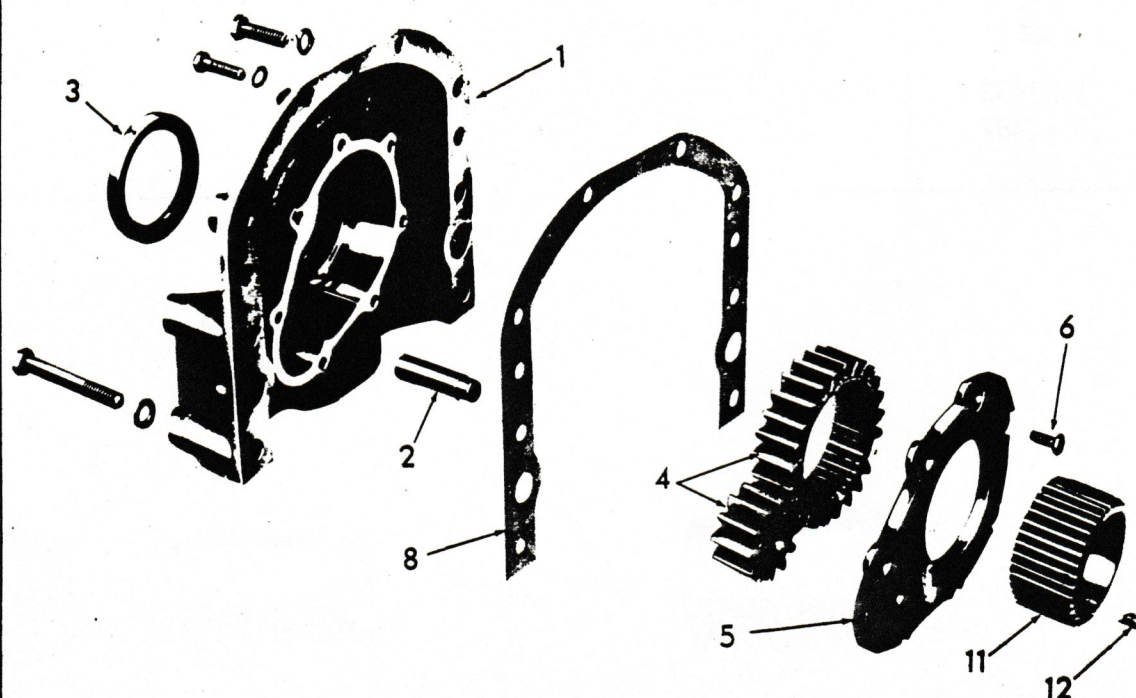


PLATE 8 - 36: LUBRICATING OIL PUMP

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MODEL MC-5A & MCC-5A

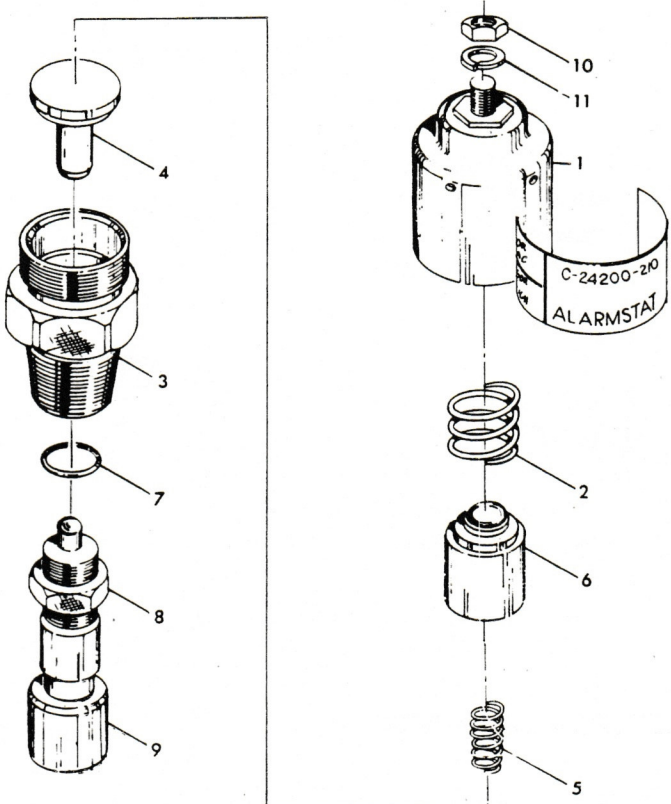
KEY	PART NUMBER	DESCRIPTION	QTY.
			
PLATE 8 - 56: ALARMSTAT			

Plate 8-56	<u>ALARMSTAT</u>		
	8C-28-12	Alarmstat Assy. - 210°	1
1	8C-28-13	Body & Point S/A	1
2	8-28-30	Spring	1
3	8C-28-14	Base	1
4	8C-28-15	Piston	1
5	8C-28-16	Spring - Overtravel	1
6	8C-28-17	Sleeve & Point S/A	1
7	8C-28-18	"O" Ring	1
8	8C-28-19	Nut	1
9	8C-28-20	Power Element	1
10	8C-28-21	Nut	1
11	8C-28-22	Washer	1

Challenger**PARTS MANUAL**

KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>OIL PAN ASSEMBLY</u>	
	5132143	Oil Pan Assembly	1
	5117231	Gasket - Oil Pan	1
	446564	Screw and Washer Assembly - 3/8 - 16 x 7/8	28
	9118905	Plug - Oil Pan Drain	1
		<u>VENTILATING SYSTEM</u>	
	5197033	Pipe-In Cylinder Block 9.34" Long	1
	5132044	Cover - Shell Breather	1
	5131951	Retainer - Screen - Filter Unit	2
	5132041	Element - Breather 4"	1
	5132042	Screen	2
	5130514	Elbow - Tube Cylinder Head Inlet	1
	5123812	Gasket - cylinder Head Air Inlet Tube	1
	186630	Bolt - 1/4 - 20 x 5/8	2
	103319	Lockwasher - 1/4	2
	5121764	Hose - Breather Extension Pipe	1
	272859	Clamp - 1 5/8 I.D. Breather Extension Pipe Hose	2
		<u>TUBE AND DIPSTICK ASSEMBLY</u>	
	5109265	Dipstick Assembly - Oil Level	1
	5131786	Guide - Dipstick	1
	5132288	Tube - Dipstick	1



Challenger

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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
<u>EXHAUST MANIFOLD</u>			
	5129644	Manifold R.H. - Viewing at Flywheel	1
	5134131	Manifold L.H. - Viewing at Flywheel	1
	5111369	Crab - Manifold to Head Stud	4
	5188273	Washer - Manifold to Head Stud	6
	127855	Nut - 7/16 - 20 Hex.	10
	5120224	Gasket - Exhaust Manifold	4
	5112899	Stud - Exhaust Manifold to Head	10
<u>EXHAUST CROSS OVER PIPE & MIXING CHAMBER</u> 8.1901			
	8B-19-4	Clamp - Fasten L.H. & R.H. Cross Over Pipes - Center	1
	8C-19-7	Cross Over Pipe S/A - L.H. - Viewing Crankshaft Pulley End	1
	8C-19-4	Cross Over Pipe S/A - R.H. - Viewing Crankshaft Pulley End	1
	8B-19-2	Clamp - R.H. - Manifold to Cross Over Pipe	1
	8B-19-18	Clamp - L.H. - Manifold to Mixing Chamber	1
	8B-19-17	Gasket - L.H. - Cross Over Pipe to Mixing Chamber	1
	8B-19-19	Mixing Chamber - L.H. & R.H. Manifold to Exhaust	1
	8B-19-20	Seal Ring - Mixing Chamber to Muffler Pipe	3
	8B-19-21	Sleeve - Mixing Chamber to Muffler Pipe	1
	8B-19-22	Quick Coupler Clamp - Mixing Chamber Sleeve to Muffler	1
<u>MUFFLER & FISH TAIL</u>			
	8C-20-16	Muffler Assy.	1
	8B-20-2	Bracket - Front Lower - Muffler Mtg.	1
	8C-20-9	Band - Front Upper - Muffler Retaining	1
	8B-20-4	Bracket - Rear Lower - Muffler Mtg.	1
	8C-20-10	Band - Rear Upper - Muffler Retaining	1
	8B-20-7	Shim - For Muffler Band	A.R.
	8C-20-11	Pipe S/A - Muffler Exhaust	1
	8B-20-10	Clamp Assy. - Muffler to Pipe	1
	8C-20-15	Angle - Exhaust Pipe Mtg. to Frame	1

Challenger**PARTS MANUAL**

MODEL MC - 5A

KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>ALTERNATOR LINKAGE & MTG.</u> 8.2401	
	8B-24-9	Mounting Arm - On Engine - Alternator Self-Adjusting Link	1
	8C-24-17	Link Assembly - Self-Adjusting - Engine to 215 Amp. Alternator	1
	8B-24-50	Link End - R.H. Thread	1
	8B-24-51	Link End - L.H. Thread	1
	8B-24-52	Cylinder S/A - Outer Body	1
	8C-24-21	Inner Tube & Piston S/A	1
	8C-24-20	Outer Cylinder S/A - With End Plate & Nut	1
	8C-24-30	Outer Spring	1
	8C-24-31	Inner Spring	1
	8C-24-25	Boot - Cover - Piston End	1
	N.P.N.	Roll Pin - .375 x .50" Lg.	1
	8C-24-9	Bracket - Mounting Top of 24 Volt Alternator	1
	8C-24-2	Saddle S/A - Alternator Mounting - C/W Bearings & "O" Rings	1
	8C-24-15	Saddle Only - Less Bearing "O" Ring	1
	8C-24-6	Bearing - Oil Lite - Saddle Pivot	2
	8C-24-7	Bolt - Shoulder - Alternator Saddle Pivot	1
	N.P.N.	Nut & Lockwasher - 3/4 - 16 NF - 2	1
	8C-24-8	Locking Strap - Alternator to Saddle Bolt	2
	N.P.N.	Bolt - 7/16 - 14 NC - 2 x 1 1/4 Long - Retaining Alternator	4
	8C-18-2	Bracket - On Engine Rail - Alternator Saddle Mounting Front	1
	8C-18-3	Bracket - On Engine Rail - Alternator Saddle Mounting Rear	1
		<u>GAUGES & SENDING UNITS</u>	
	8C-28-11	Sending Unit - Low Oil Pressure	1
	8M-28-2	Sending Unit - Dash Oil Gauge	1
	7B-8-114	Sending Unit - Water Temperature	1
	8A-18-175	Junction Block - Oil Pressure Sending Units & Manual Oil Gauge	1
	8C-18-44	Rubber Mounting - Shock - Junction Block	1
	8C-18-45	Retainers - End Bolts	2
	N.P.N.	Capscrews - 1/4" x 1" NC Self-tapping	2
	8C-18-48	Retainer Plate - Rubber Mounting	1
	N.P.N.	Bolts - 1/4" x 3/4" NC Hex. Head	2
	N.P.N.	Bolt - 1/4" x 1/2" NC Hex. Head	1
	7C-12-150	Cable - Ground	1
	8C-18-50	Stud - Ground Anchor	1
	N.P.N.	Nuts - 1/4" N.C.	4
	N.P.N.	1/4" Lockwashers	6
	N.P.N.	1/4" Flat Washers	4

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MODEL MC-5A

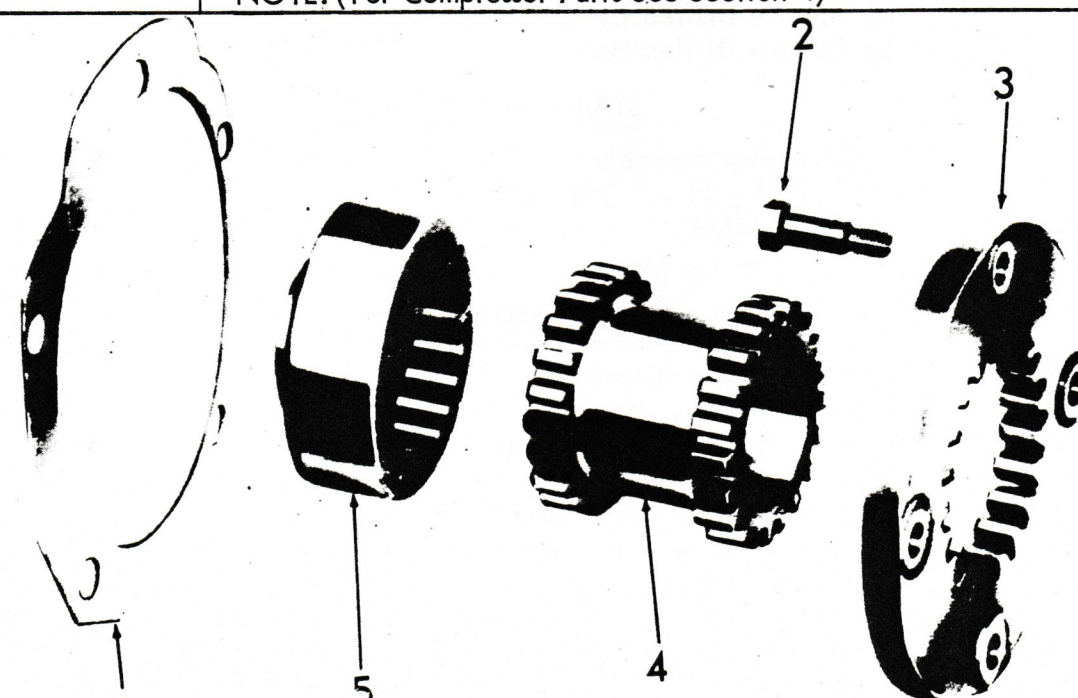
KEY	PART NUMBER	DESCRIPTION	QTY.
<u>GAUGES & SENDING UNITS (Cont'd)</u>			
	8F-28-2	Oil Gauge - Manual - Oil Pressure - On Engine	1
	7F-13-67	Oil Gauge Assembly - Dash Unit (24 Volt)	1
	8-28-95	Temperature Gauge - Manual on Engine	1
	7F-13-66	Temperature Gauge - (24 Volt) Dash Unit	1
Note: For Fuel Sender See Group 9.06			
For Fuel Gauge See Group 7.13			
<u>For Speedo Head & Sending Unit See Group 7.08</u>			
<u>AIR COMPRESSOR DRIVE</u>			
1	5117061	Gasket - Flywheel Housing - Large Hole Cover	1
2	5119920	Bolt - 3/8 - 24 x 1 5/16 (Nylon insert) - Compressor Mounting	4
3	2136944	Drive Disc. - Air Compressor - On Camshaft (Fibre)	1
3	5170450	Drive Disc. Air Compressor - On Camshaft (Hardened Steel)	1
5	5144866	Drive Hub - Air Compressor - On Compressor	1
4	2136946	Drive Coupling	1
	103375	Pin - 3/32 x 1 1/4 Cotter - Hub	1
NOTE: (For Compressor Parts See Section 4)			
			

PLATE 8 - 39 - AIR COMPRESSOR DRIVE

Challenger

8 - ENGINE

SECTION

GROUP

PARTS MANUAL

MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
+ Effective Prior to Coach Unit No. 5501 ++ Effective with Coach Unit No. 5501 * Effective Prior to Coach Unit No. 6001 ** Effective with Coach Unit No. 6001			
<u>ENGINE MOUNTING PARTS</u>			
+	8C-18-1	Engine Cradle Assy.	1
++*	8C-18-53	Engine Cradle Assy.	1
**	8C-18-71	Engine Cradle Assy.	1
+	8C-18-17	Bracket S/A - Air Cylinder Mtg. to Engine Cradle	1
++	8C-18-54	Bracket S/A - Air Cylinder Mtg. to Engine Cradle	1
*	8C-18-29	Bracket - Starter Relay Mtg.	1
	8C-18-2	Base - Alternator Front Pivot	1
	8C-18-3	Base - Alternator Rear Pivot	1
	8C-18-11	Clamp - U-Bolt Retaining	1
	8C-18-12	U-Bolt - Engine Cradle Anchor	6
	8C-18-81	Nut - U-Bolt	12
	8B-18-58	T-Link - Engine Cradle Anchor Rear L.H. & R.H.	2
	8C-18-69	Mounting Bracket S/A - L.H. Front (Viewing Flywheel)	1
	8C-18-43	Mounting Bracket S/A - R.H. Front (Viewing Flywheel)	1
	8B-18-10	Stud - Bracket at Housing - L.H.,	6
	8A-18-160	Stud - Bracket at Housing - R.H.	6
	8C-18-32	Rubber Mount - Engine Cradle at Flywheel Housing	4
	8C-18-33	Washer - Rubber Mount Retainers	4
	8A-18-161	Tapered Dowel - Mtg. Brkt. Stud	12
	8C-18-73	Rubber Mount - Crankshaft Pulley End	2
	8-18-216	Spacer - Between Rubber Mounts	1
	8C-18-72	Washer - Eng. Mtg.	1
	8C-18-78	Cap Screw - Drilled Head, 1½" lg.	1
	8C-18-79	Cap Screw - Drilled Head, 3" Lg.	1
<u>STARTING MOTOR</u>			
	7B-1-1	Starting Motor Assembly	1
	7B-1-14	Bolt - (5/8" - 11 x 1 3/4") (12 Pt.)	1
	7B-1-16	Lockwasher - 5/8	3
	7B-1-12	Gasket - Starting Motor	1
<u>TACHOMETER DRIVE</u>			
	5155861	Shaft and Slinger Assembly	1
	5122635	Adapter (1.55")	1
	5123123	Gasket - Tachometer Drive Adapter	1
	5155818	Slinger Only - Drive Shaft Oil	1
	186625	Bolt - 5/16 - 18 x 7/8 Adapter	2
	2071181	Washer - Tachometer Drive	1
	446202	Washer - 5/16 Flat Copper	2

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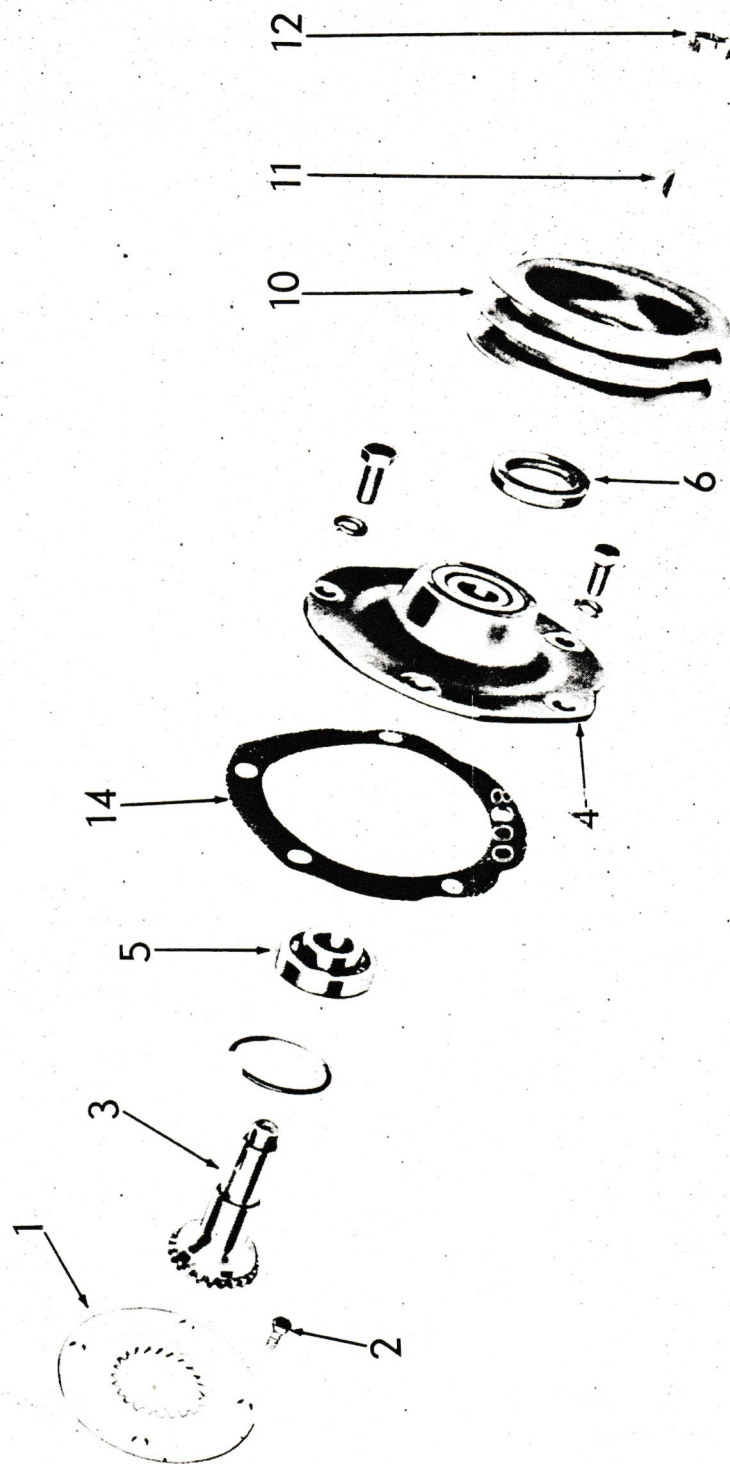


PLATE 8 - 40: ALTERNATOR DRIVE

Challenger

PARTS MANUAL

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 8-40		<u>ALTERNATOR DRIVE</u>	
1	2136944	Plate - Accessory Drive	1
2	5119920	Bolt - 3/8 - 24 x 1 7/16 - Plate to Gear	4
	5151241	Lockwire	1
3	5131130	Shaft - Accessory Drive	1
4	5131402	Retainer - Accessory Drive	1
5	907191	Bearing	1
6	5131329	Seal - Oil	1
	100146	Bolt - 7/16 - 14 x 7/8	1
	179882	Bolt - 1/2 - 13 x 1 1/8	4
	103322	Lockwasher - 7/16	1
	103323	Lockwasher - 1/2	4
14	5117061	Gasket - Retainer to Flywheel Housing	1
	5131131	Spacer - Accessory Drive Oil Seal	1
10	7B-3-260	Pulley Assembly - Alternator Drive	1
	7B-3-263	Tapered Bushing	1
		3/8 - 16 N.C. Stud	4
		3/8 - Lockwasher	4
		3/8 - Hex. Head Nut	4
13	9415285	Lock Ring - Accessory Drive	1
11	7B-3-264	Key - Alternator Drive Pulley	1
12	451082	Lock Nut - Hex.	1
		<u>HIGH IDLE SYSTEM</u>	
	5129010	Cylinder - Air - On Governor	1
	5129213	Inlet Plug	1
	9411820	Ring - Snap	1
	2193514	O Ring - Inlet Plug	1
	5129212	Cylinder	1
	5120448	Piston	1
	2193514	O Ring - Piston	1
	5112908	Spring - Outer	1
	5129009	Spring - Inner	1
	5120449	Follower - (Inside Piston)	1
	247267	Ring - Snap	1
	5129264	Plunger Rod	1
	5152929	Spring - Plunger Rod	1
	9414568	Nut - Cylinder	1

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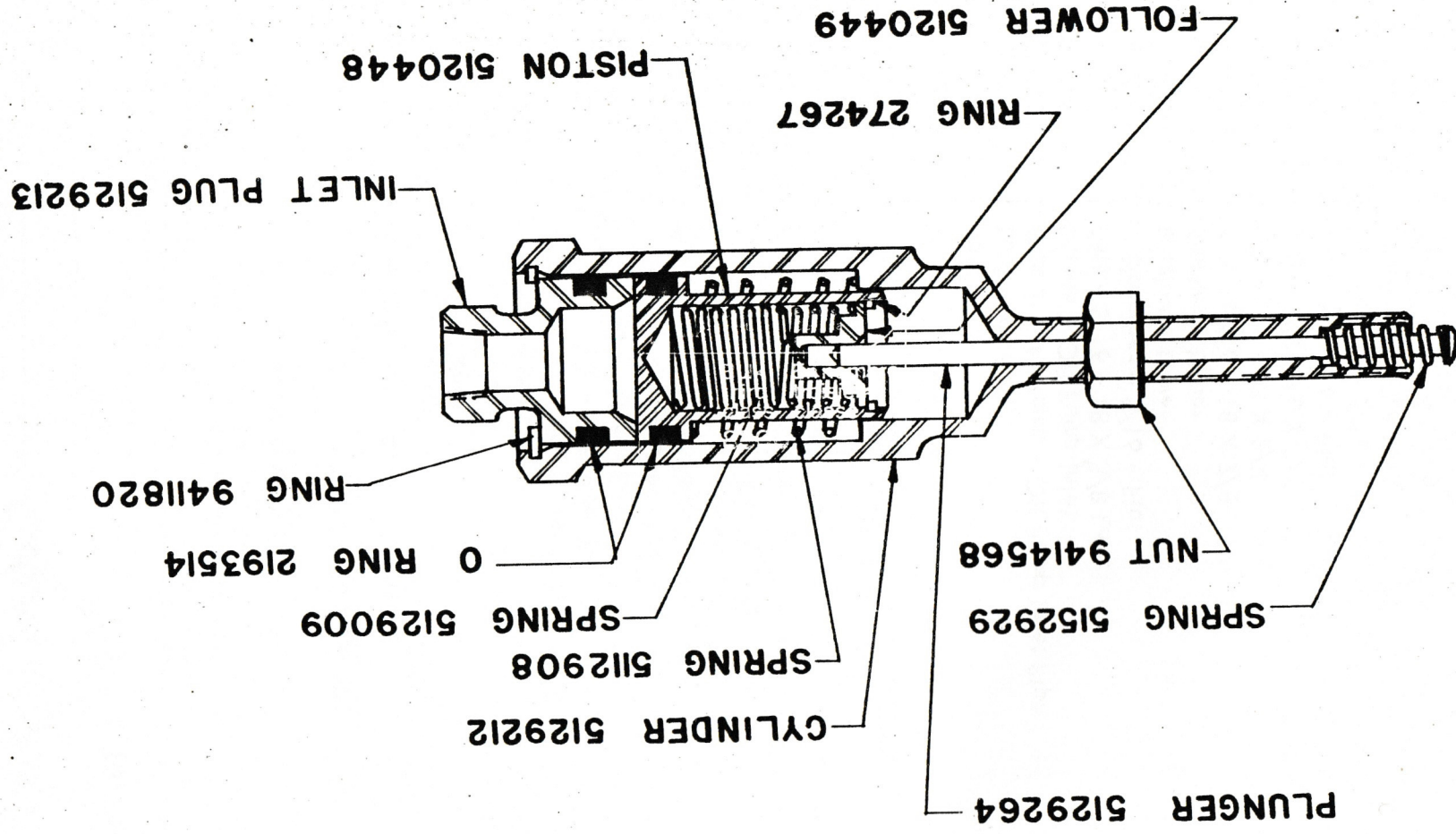


PLATE 8 - 46 - FAST IDLE AIR CYLINDER

PARTS MANUAL

MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
		* Effective Prior To Coach Unit No. 5771	
		** Effective With Coach Unit No. 5771	
		<u>MOTOR PAN ASSEMBLY</u>	
	8C-21-1	Panel S/A - Pan At Front of Motor	1
	8C-21-2	Panel - Only	1
	8C-21-3	Panel - Door	1
	8C-21-4	Handle - Only	1
	8C-21-5	Plate - Retaining	1
	8C-21-6	Plate - Retaining Under Lock	1
	8C-21-7	Catch S/A - Door Locking	1
	3A-11-5	Spring - Under Catch	1
	13-9-52	Spring - Under Door Pivot	1
*	8C-21-12	Transmission Cover Assy.	1
*	8C-21-13	Panel S/A - R.H. Cover	1
*	8C-21-17	Panel S/A - L.H. Cover	1
	8C-21-37	Panel - Rear of Engine	1
**	8C-21-38	Transmission Cover Assy.	1
		<u>OIL DISTRIBUTION SYSTEM</u>	
	5132142	Pipe - Oil Pump Inlet	1
	186622	Bolt - 3/8" - 16 X 1 1/4	2
	103321	Lockwasher - 3/8	A.R.
	5117242	Gasket - At Pump - Oil Pump Inlet Pipe	1
	5126143	Screen - Oil Pump Inlet	1
	9409010	Bolt - 5/16 - 18 X 5/8 Lock	2
	120393	Lockwasher - 5/16 - Flat	2
	5132289	Bracket - Lower	2
	5129365	Bracket - Upper	2
	180078	Bolt - 5/16 - 18 X 7/8	2
	181595	Bolt 5/16 - 24 X 3/4	2
	179838	Bolt - 3/8 - 16 X 7/8	2
	103340	Washer - 5/16 - Flat	A.R.
	103320	Lockwasher - 5/16	"
	214279	Nut - 5/16 - 24 Hex.	2
	5117717	Pipe (5/16 X 4" Long) to Blower	1
	114629	Connector - 5/16" Ball Sleeve	1
	114631	Sleeve - 5/16 Ball	1
	114630	Nut - 5/16" Ball Sleeve	1
		<u>NOTE: For Seal Washer & Seal Ring See Blower Assembly</u>	

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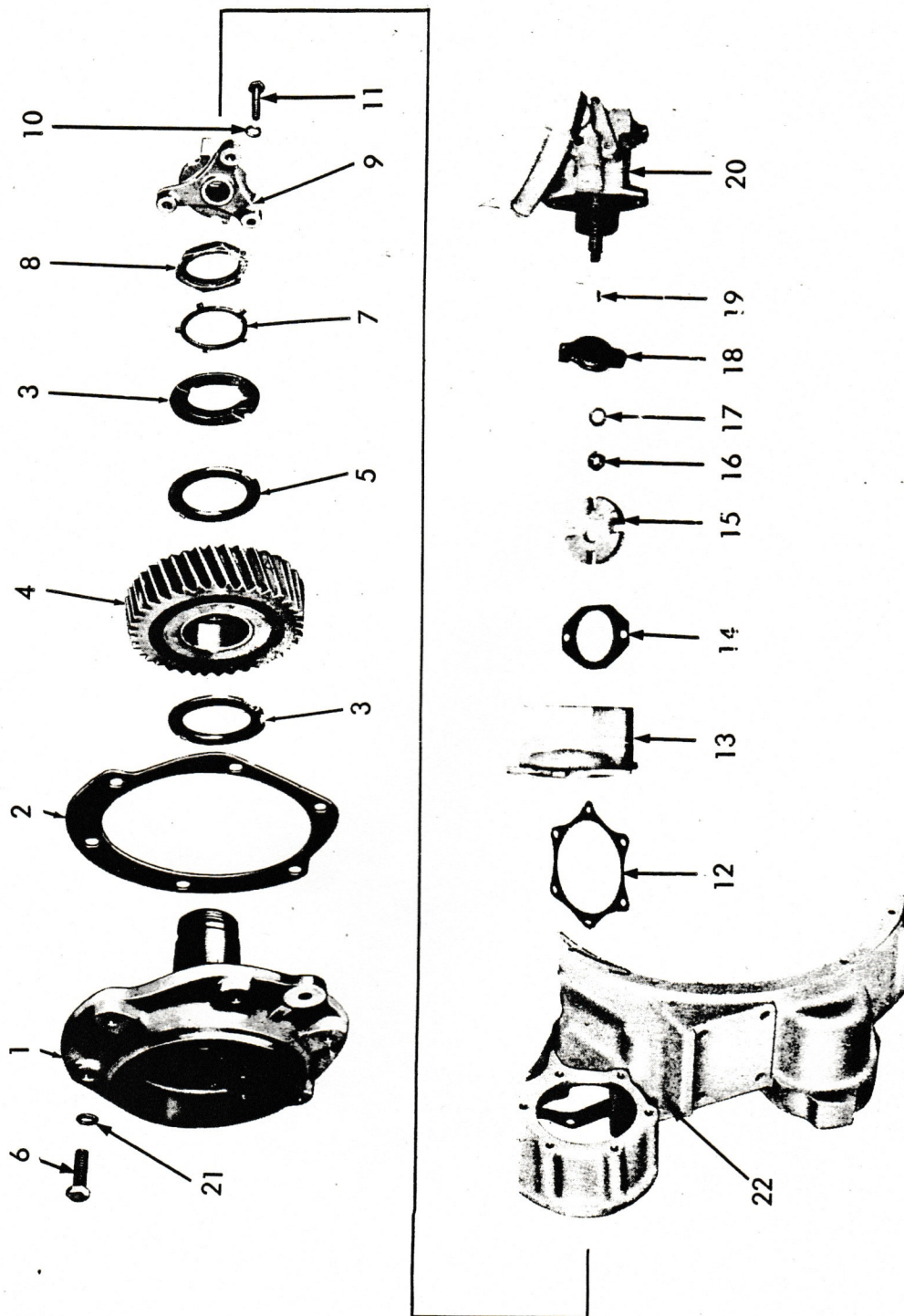


PLATE 8 - 55: HYDRAULIC PUMP DRIVE



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PARTS MANUAL

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SECTION:

8-ENGINE

GROUP:

MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 8-55		<u>HYDRAULIC PUMP DRIVE</u>	
15	2326310	Coupling	1
13	5108954	Adapter	1
12	5122227	Gasket	1
18	5109140	Hub-Driver	1
14	5124926	Gasket	1
2	5117116	Gasket	1
4	5122917	Gear Assembly	1
	5120501	Bushing	2
7	5117720	Lockwasher - 1 15/32" - Tanged	1
8	5117727	Nut - 1 7/16"	1
3	5117704	Washer - Thrust	2
5	5117700	Bearing - Accessory Drive Thrust	1
9	5123082	Hub - Driven	1
11	181374	Bolt - 3/8 - 24 X 1 1/2	3
10	103321	Lockwasher - 3/8"	3
1	5117723	Support Assy. - Accessory Drive Retainer	1
	5150829	Plug - 7/8" O.D. Expansion	1
	141126	Pin - 5/32 X 1/4 Dowel	1
	274889	Pin - 1/8 X 1/4 Spring	1
6	181361	Bolt - 3/8 - 24 X 7/8	2
6	186314	Bolt - 3/8 - 24 X 4 1/4	4
21	5152148	Washer - 3/8 Copper	2
21	103321	Lockwasher - 3/8"	4
	5117728	Tube Assy. - Accessory Drive Oil 6.74L	1
	137422	Elbow - 5/16 Inverted Flare Tube 90 deg.	1
	5164312	Tee	1
	103877	Plug - 1/8 Pipe	1
20	11C-9-33	Power Steering Pump Assembly - Complete	1
19	11C-9-21	Key - Power Steering Pump Drive	1
16	N.P.N.	Nut - 1/2" - Power Steering Pump Drive	1
17	N.P.N.	Washer - 1/2" - Power Steering Pump Drive	1
22	5132222	Housing - Flywheel - Less Oil Seal	1

Challenger**PARTS MANUAL**

MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>OIL PRESSURE REGULATOR</u> <u>& RELIEF VALVES</u>	
	5122896	Oil Pressure Regulator Assembly	1
	5122894	Body Only	2
	5126327	Spring Only (.790 Dia. X 2.96" Lg.)	2
	5117973	Valve Oil Pressure & Relief Valve	2
	179839	Bolt - 3/8 - 16 X 1 - Regulator Assembly	2
	103321	Lockwasher - 3/8 - Regulator Assembly	2
	5117269	Gasket - Oil Pressure Regulator	2
	5117957	Seat - Oil Pressure Regulator (.22" Long)	2
	457008	Pin - 3/16" X 1 1/2" Spring	2
	5122895	Relief Valve Assembly	1
	5122894	Body Only	2
	5126327	Spring Only (.790 Dia. X 2.96" Long)	2
	5117973	Valve - Oil Pressure Regulator and Relief	2
	179839	Bolt - 3/8 - 16 X 1" Relief Valve	2
	103321	Lockwasher - 3/8	2
	5117957	Seat - .22" Long	2
	457008	Pin - 3/16 X 1 1/2 Spring	2

SECTION 9

Fuel System

GROUP INDEX

	<u>Group No.</u>
Air Cleaner	9.03
Accelerator Linkage	9.04
Fuel Lines and Valves	9.05
Fuel Tank and Mountings	9.06
Fuel Filter	9.07



PLATE 9-4

PARTS MANUAL

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SECTION:	9 - FUEL SYSTEM
GROUP:	9.03/.04

KEY	PART NUMBER	DESCRIPTION	QTY.
<u>AIR CLEANERS</u> 9.0301			
<u>NOTE:</u> See Section 8 Index for Air Cleaners			
<u>ACCELERATOR LINKAGE</u> 9.0401			
Plate 9-4			
	4C-15-13	Accelerator & Brake Pedal Assembly - C/W Base	1
1	4C-15-1	Base Only	1
2	11A-294	Pin - Accelerator & Brake Pedal Pivot	2
3	11A-282-1	Pin - Accelerator Pedal to Push Rod	1
4	4C-15-2	Stop - Accelerator & Brake Pedal - 3/8 x 3 5/8	2
5	4C-15-12	Cap - Accelerator & Brake Pedal Stop	2
	9C-4-5	Pedal S/A - Accelerator With Rubber Ribbed Tread	1
6	9C-4-6	Pedal Only - Accelerator	1
7	4C-15-5	Insert - Ribbed Tread	1
8	4C-15-6	Bushing - Nylined - Pedal Pivot	2
9	4C-15-11	Spacer Washer - Between Base & Pedal	4
10	4A-15-35	Boot - Accelerator Pedal Rod to Base	1
11	9C-4-2	Control Rod - Pedal to Front Cross Shaft Lever	1
12	9C-4-23	Yoke - Control Rod End	1
13	N.P.N.	Screw - #6 - 32 x 3/8 Long for 11A-282-1 Pin	1
14	N.P.N.	Screw - #6 - 32 x 1/2 Long for 11A-294 Pin	2
15	N.P.N.	Pin - Yoke End - 1/4 x 3/4	1
	9C-4-16	Accelerator Cross Shaft S/A - Front	1
16	9C-4-17	Tube S/A - C/W End Flanges - Less Shaft	1
17	9C-4-15	Rod - Accelerator Cross Shaft	1
18	9B-4-23	Bearing - Nylon - 5/16 I.D. - C/W End Retainers	2
19	11-283	Lever - Rod Ends	2
20	9A-4-32	Pin - Taper - Lever Retaining	2
21	N.P.N.	Set Screw - Lever to Cross Shaft - 1/4 - 20 Hex. Socket Head	2
22	9B-4-22	Plug - 1/8" Pipe - Grease Filler	1
23	9C-4-20	Bracket S/A - Mounting Accelerator Cross Shaft - Front	1
24	N.P.N.	Bolt - 1/4 - 28 x 3/4 Hex. Head - Cross Shaft - to Bracket	4
	N.P.N.	Lockwasher - 1/4 S.A.E. Cadum Plated	4
	N.P.N.	Nut - 1/4 - 28 Hex. Cadum Plated	4
25	47-2559	Spring - Accelerator Linkage Return	1
26	9B-4-2	Control Rod - Long (1/4 Thread Front & 5/16 Thread Rear)	1
27	9C-4-23	Yoke - Front Control Rod to Lever	1
28	N.P.N.	Pin - Yoke - 1/4 x 3/4	1
29	N.P.N.	Cotter - 1/16 x 3/4	1
30	N.P.N.	Nut - 1/4 - 28 - Jam Rod to Yoke	1
31	9B-4-10	Unibal Joint End - Rear Control Rod 5/16 - 24	1
32	N.P.N.	Nut - Unibal Joint End Jam 5/16 - 24	1

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PARTS MANUAL

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 9 - 4		<u>ACCELERATOR LINKAGE (Cont'd)</u> 9.0402	
	9C-4-7	Pivot Bar and Mounting Bracket Assembly - On Engine	1
33	9C-4-8	Mounting Bracket - Pivot Lever	1
34	9C-4-10	Pivot Lever Assembly - C/W O Rings & Nylon Bearings	1
35	9C-4-26	Bronze - Bearing - Accelerator Pivot Casting	2
37	9C-4-11	Shoulder Bolt - Lever Pivot	1
38	N.P.N.	Nut - 1/2 - 20 N.F. - Esna	1
	9B-4-9	Throttle Control Rod Assembly - C/W Ends	1
39	9B-4-10	Rod End - Self Aligning	1
40	9B-4-11	Rod Only - Less Ends	1
41	N.P.N.	Jam Nut - Rod Ends	2
42	N.P.N.	Bolt - 5/16 - Connecting Link Ends	2
43	N.P.N.	Washer - 5/16	2
44	N.P.N.	Hex. Nut - 5/16	2
45	9B-4-13	Ball Joint - Spring Loaded - Fast Idle Overrule	1
46	9B-4-14	Shell	1
47	9B-4-15	Bottom Seat	1
48	9B-4-16	Spring	1
49	9B-4-17	Ball Stud	1
50	9B-4-18	Adjusting Screw	1
51	9B-4-19	Boot	1
	N.P.N.	Cotter Pin - 1/16 x 1	1
	9C-4-27	Drop Pan S/A - C/W Hinge	3

PARTS MANUAL

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SECTION:	9 - FUEL SYSTEM
GROUP:	9.05

MODEL MC - 5A & MCC - 5A

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 9-5		FUEL LINE CHECK VALVE 9.0501	
1	9A-5-3	Check Valve Assembly - Fuel Line	1
2	9A-5-40	Body - 1 1/16 Hex. Aluminum	1
3	9A-5-41	Adaptor - 1 1/16 Hex. Aluminum	1
4	9A-5-42	Spring - 1/8 Stainless Wire	1
5	9A-5-43	Washer - 1/32 Aluminum	1
6	9A-5-44	Gasket - Aluminum	1
7	9A-5-45	Rivet - 3/16 Round Stainless	1
8	9A-5-46	Lever - .018 Stainless	1
9	9A-5-47	Cup - 9/16 Round Aluminum	1
10	9A-5-48	Seat - 40 Durometer	1
	9A-5-49	Pin - .0468/.0460 Round Stainless	1

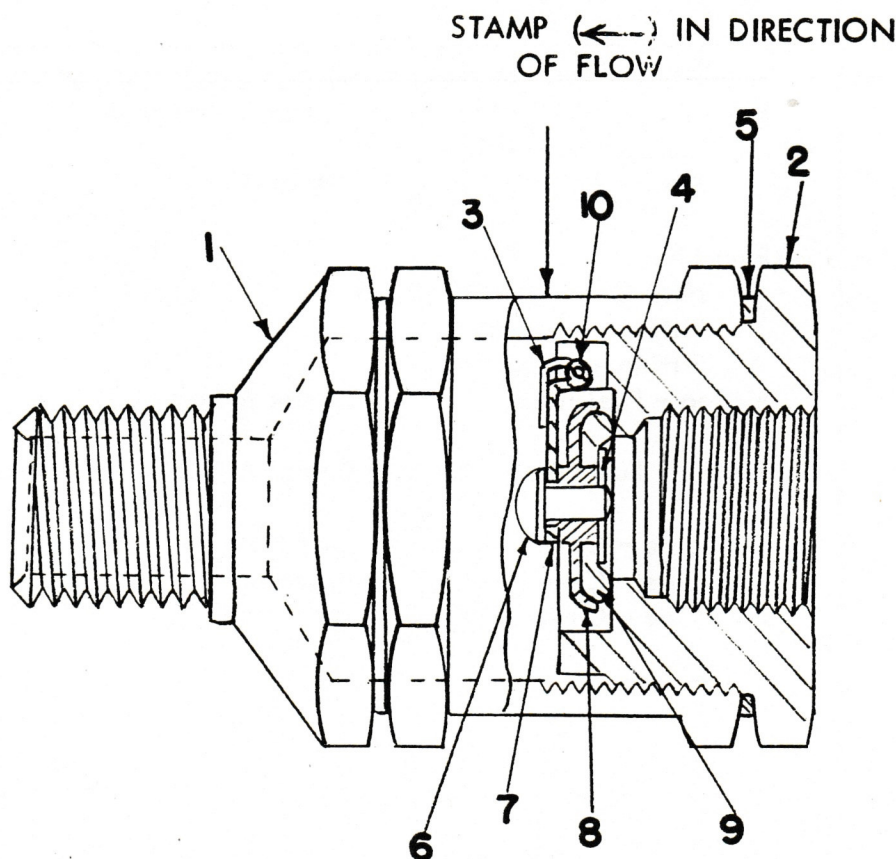


PLATE 9 - 5 - FUEL LINE CHECK VALVE

PARTS MANUAL

KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>FLEXIBLE FUEL LINES</u> 9.0502	
	9C-5-13	Fuel Line - C/W Fittings - Fuel Strainer to Fuel Pump	1
	9C-5-14	Hose & Straight Inverted Fittings - 24 1/4" Long	1
	9C-5-15	Elbow Fitting - 90° Inverted Flare	2
	9C-5-16	Fuel Line C/W Fittings - Fuel Pump to Fuel Filter	1
	9C-5-17	Hose & Straight Inverted Fittings - 37 3/4" Long	1
	9C-5-15	Elbow Fitting - 90° Inverted Flare	2
	9C-5-18	Fuel Line - C/W Fittings - Fuel Filter to L.H. Cylinder Head	1
	9C-5-19	Hose & Straight Inverted Fitting - 27 1/2" Long	1
	9C-5-15	Elbow Fitting - 90° Inverted Flare	2
	9C-5-20	Fuel Line - C/W Fittings - Fuel Filter to R.H. Cylinder Head	1
	9C-5-21	Hose & Straight Inverted Fitting - 40 3/4" Long	1
	9C-5-15	Elbow Fitting - 90° Inverted Flare	2
	9C-5-22	Fuel Line - C/W Fittings - Fuel Drain Crossover	1
	9C-5-23	Hose & Fitting S/A - 14" Long	1
	9C-5-24	Elbow Fitting - 5/16 Inverted Flare	1
	9C-5-25	Restricted Tee - 5/16	1
	9C-5-26	Adapter	1
	9C-5-27	Reducer Bushing - 3/8 x 1/4	1
	9B-5-1	Fuel Line - C/W Fittings - Fuel Return From Engine	1
	9B-5-2	Hose Only - 49 1/4" Long	1
	N.P.N.	Fitting - S.A.E. Swivel - (4401-5)	1
	N.P.N.	Elbow Fitting - (190295-5)	1
	9C-5-35	Fuel Line S/A - Inlet	1
	9C-5-36	Hose Only - #1534 Size 8	1
	N.P.N.	Fitting - (4401-8)	1
	N.P.N.	Fitting - (190297-8)	1
	9C-5-9	Fitting - Fuel return Coupling Centre & Control Duct Rear Bogie	1
	9C-5-10	Fitting - Fuel supply Coupling Centre & Control Duct Rear Bogie	1
	9C-5-11	Fuel Line - Centre of Control Duct Feed	1
	9C-5-12	Fuel Line - Centre Control Duct Return	1
	9C-5-13	Fuel Line - Check Valve Return	1



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GROUP:	9.06		

MODEL MC - 5A & MCC - 5A

KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>FUEL TANK ASSEMBLY</u> 9.0601	
	9C-6-28	Fuel Tank Assembly - Complete with Fittings	1
	9C-6-29	Fuel Tank S/A - Less Attachments	1
	9C-6-24	Vent Alarm S/A - With Tube	1
	9B-6-16	Tube Coupling Hose to Vent Alarm - 3/4 O.D. x 3 1/2 long	1
	N.P.N.	Screw - #10 - 24 x 1/2 Phillips	5
	9A-6-90	Gasket - Fuel Tank Sending Unit	1
	N.P.N.	Fitting - 49 x 6	2
	N.P.N.	Fitting - 49 x 8	2
	9C-6-7	Filler Neck - Fuel Tank	1
	9C-6-8	Fitting - Filler Neck Accepting on Tank	1
	N.P.N.	Plug - (3150-2) Weatherhead	1
	9C-6-17	Gasket - Filler Neck to Body	1
	9C-6-10	Tube - Vent Alarm to Filler Neck - 3/4 O.D. x 8 5/8 Copper	1
	9C-6-12	Hose - Joining Vent Alarm to Tube - 3/4 I.D. x 5" Long	1
	N.P.N.	Fitting - 169 x 12A	1
	9C-6-4	Plate - Closing Fuel Sending Unit Opening - (NOTE: Used only on tanks without sending unit)	1
	9A-6-96	Breather	1
	9A-6-93	Filler Neck Cap Assembly - Consists of the following:	1
	9A-6-165	Pin - Lever to Cap	1
	9A-6-166	Lever	1
	9A-6-167	Body - Brass	1
	9A-6-168	Hinge Pin - Lever to Body	1
	9A-6-169	Cap and Stud	1
	9A-6-170	Gasket - Gas Treated Leather	1
	9A-6-171	Washer - Gasket Retainer	1
	9A-6-172	Screw - Gasket Retainer - #10 - 24 x 1/2 R.H.	1
	9A-6-173	Handle - Stem	1
	9A-6-174	Guide Washer - Upper	1
	9A-6-175	Spring Washer	1
	9A-6-176	Stem Spring	1
	9B-6-27	Fuel Sending Unit Assembly - Complete	1
	9B-6-28	Float - Fuel Level	1
	9B-6-29	Arm - Float Attaching	1
	9B-6-30	Clamp - Adjusting Arm	1
	9B-6-31	Screw - For Clamp	1
	9B-6-32	Cover Assembly - Tank Attaching	1
	9B-6-33	Terminal Stud	1

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KEY	PART NUMBER	DESCRIPTION	QTY.
*	<u>NOTE:</u>	* - Optional Equipment	
		<u>FUEL TANK ASSEMBLY (Cont'd)</u> 9.0602	
	9B-6-34	Nut - Terminal Stud	1
	9B-6-35	Washer - Retainer Tank Seal Washers	1
	9B-6-36	Seal Washer - Outer	1
	9B-6-37	Seal Washer - Small - Center	1
	9B-6-38	Seal Washer - Inner Medium	1
	9B-6-39	Arm - Upper Mechanism Control	1
	9B-6-40	Spring - Arm Retainer	1
	9B-6-41	Contact Assembly - Complete	1
	9B-6-42	Cover - Contact Assembly	1
	9C-6-33	Plate - Vent Alarm Mounting	1
	9C-6-34	Baffle - Large Splash Panel Fuel Tank	2
	9C-6-35	Baffle - Small Splash Panel Fuel Tank	2
*	9C-6-36	Vent Alarm S/A - C/W Extension	1
*	9C-6-37	Extension Only - Fuel Tank Vent Alarm	1
*	9C-6-38	Vent Alarm S/A - C/W Extended Vent & Copper Extension	1
*	9C-6-30	Wrapper S/A - Fuel Tank #1 Section R.H.	1
*	9C-6-31	Wrapper Only - #1 Section R.H.	1
*	9C-6-25	Tube & Collar S/A - Accepting Filler Neck	1
*	9C-6-26	Tube Only - Accepting Filler Neck	1
*	9C-6-27	Collar Only - Mounting Tube to Tank	1
*	9C-6-19	Filler Neck S/A - Fuel Filler	1
*	9C-6-23	Tube - Fuel Filler Neck	1
*	9C-6-20	Bushing - Fuel Filler Neck	1
*	9C-6-21	Spacer Ring - Fuel Filler Neck - Hose Clamping	1
*	9C-6-18	Spacer Ring - Split Filler Neck Hose Clamping	1
*	9C-6-22	Plate - Fuel Filler Neck to Fuel Filler Box Mounting	1
*	9C-6-17	Gasket - Between Fuel Filler Neck Mounting Plate and Filler Neck Box	1
*	9C-6-6	Hose - Fuel Filler Neck to Flange and Collar Assembly	1



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GROUP:	9.06		

KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>FUEL TANK ASSEMBLY (Cont'd)</u> 9.0603	
	9C-6-9	Tube and Fitting S/A - Filler Neck to Whistle Alarm	1
	9C-6-10	Tube Only - Filler Neck to Whistle Alarm	1
	9C-6-24	Vent Alarm S/A	1
	9C-6-11	Hose - Vent Alarm to Filler Neck	1
	9C-6-12	Tube - Vent Alarm to Hose	1
	9C-6-13	Boot S/A - Filler Neck and Vent Alarm, Tube on Plywood floor	1
	9C-6-14	Plate - Upper Filler Neck Boot	1
	9C-6-15	Plate - Lower Filler Neck Boot	1
	9C-6-16	Rubber Seal - Between Upper and Lower Plates	1
	9C-6-28	Fuel Tank Assembly - Complete with Installations	1
	9C-6-29	Fuel Tank S/A - C/W Fuel Feed and Return Lines	1
		<u>NOTE: See Section 8 for Fuel Filter</u>	
	9A-6-157	Plywood - Under Fuel Tank - 3/16 x 24 x 65	1
	9B-6-45	Strap S/A - C/W Hook - Retaining Tank	2
	9B-6-46	Strap Only - 9 7/8 x 21 3/4 - .051 Aluminum	2
	9A-6-114	End Hook - 3 1/4 x 8" - 12 Ga. M.S.	2
	9A-6-119	Swivel End	2
	9A-6-124	Bracket S/A - Mounting For Fuel Tank Strap	2

SECTION 10

Lubrication

GROUP INDEX

	<u>Group No.</u>
Oil Reserve Tank	10.01
Lubricating Lines	10.02



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GROUP:	10.01/.02		
MODEL MC-5A & MCC-5A			

KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>OIL RESERVE TANK (OPTIONAL)</u>	
	10C-1-1	Tank Assy. - Oil Reserve	1
	N.P.N.	Elbow - 3/8"	2
	N.P.N.	Tube - Oil Level Indicator	1
	N.P.N.	Cap - C/W Chain, Filler Tube	1
	10C-1-7	Bracket S/A - Tank Mounting	2
	10A-1-5	Band - Oil Reserve Tank Mounting	2
		<u>LUBRICATION LINES</u>	
	10C-2-26	Plate S/A - Front End Lubrication	1
	10C-2-28	Tube - Accelerator Grease Line, 28 1/2"	1
	10C-2-29	Tube - R.H. Clutch Shaft Bearing Grease Line 27 1/2"	1
	10C-2-30	Tube - L.H. Clutch Shaft Bearing Grease Line 7"	1
	10C-2-31	Tube - Gear Shift Grease Line, 16 1/2"	1
	10C-2-2	Hose S/A - Sending Unit Manifold Oil Feed	1
	10C-2-1	Hose S/A - Air Compressor Oil Feed	1
	10C-2-8	Hose S/A - Rear Brake Cam Grease Line	2
	10B-1-3	Hose S/A - Trans. Housing to Release Bearing Carrier	1
	10C-2-8	Hose S/A - Brake Valve Grease Line	1
	10C-2-34	Plate S/A - Engine Compt. Lubrication	1
	10C-2-37	Hose S/A - Master Lube Plate to Clutch Release Bearing	1
	10C-2-39	Hose S/A - Master Lube Plate to Clutch Lever Cross Shaft	1
	10C-2-38	Hose S/A - Master Lube Plate to Clutch Cross Shaft, L.H.	1
	10C-2-36	Hose S/A - Master Lube Plate to Clutch Cross Shaft, R.H.	1
	10C-2-36	Hose S/A - Master Lube Plate to Accelerator Pivot	1
	3C-15-62	Nameplate - Front End Lubrication	1
	10C-2-40	Nameplate - Eng. Compt. Lubrication	1

SECTION 11

Steering

GROUP INDEX

	<u>Group No.</u>
Steering Gear	11.01
Steering Column and Wheel	11.02
Drag Link.....	11.04
Power Steering Booster Cylinder	11.07
Power Steering Lines and Fittings.....	11.08
Power Steering Pump	11.09



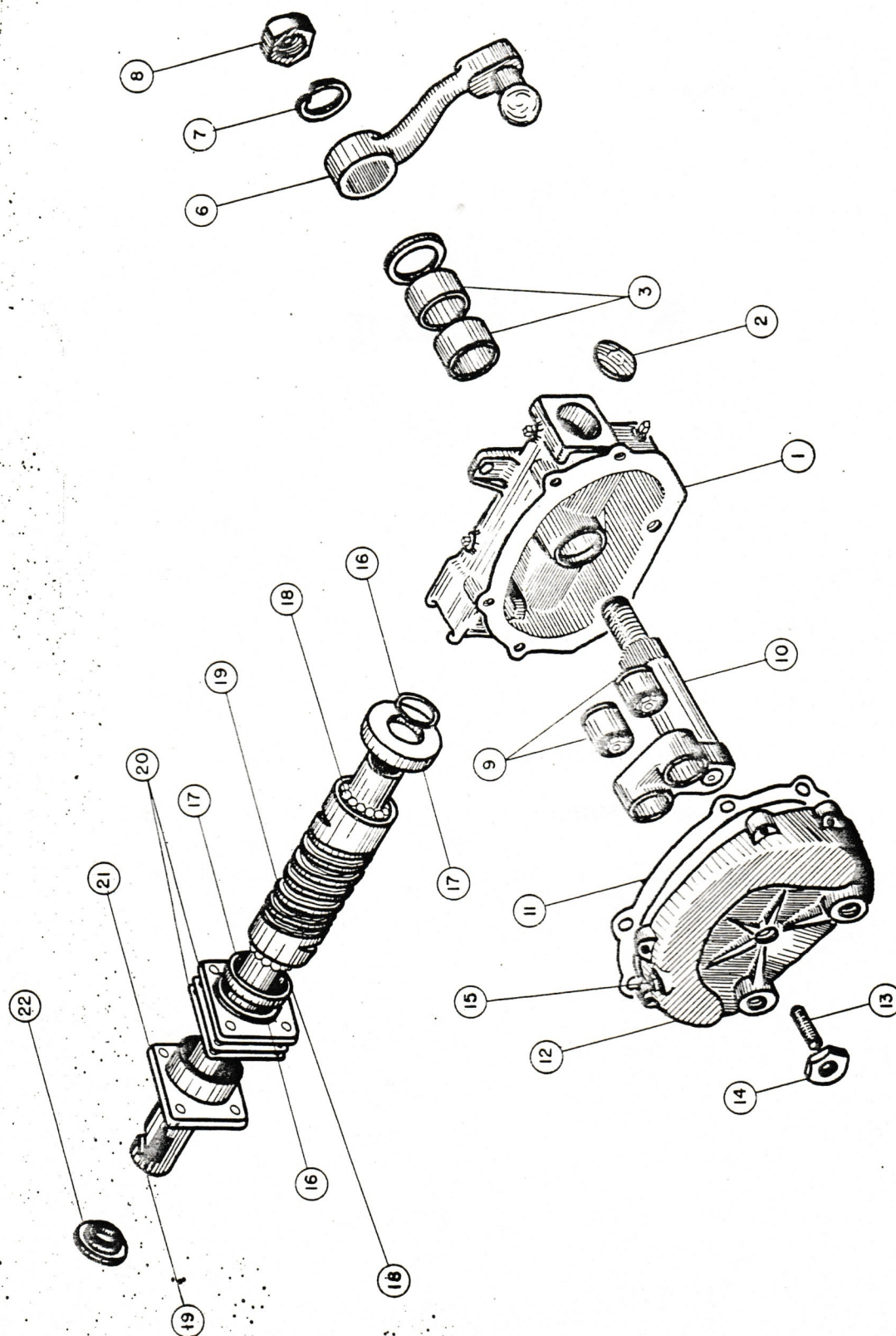


PLATE 11 - 1 - STANDARD STEERING GEAR



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GROUP: 11.01

MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 11-1		<u>STANDARD STEERING GEAR</u>	
	11C-1-9	Steering Gear Assembly (TE 71038) Less Arm & Ball	1
1	11C-1-12	Housing Assembly	1
3	11C-1-14	Bushing	2
19	11C-1-26	Cam	1
	11C-1-16	Lever Shaft Assembly - C/W Bearings	1
10	11C-1-24	Lever Shaft Only	1
9	11C-1-17	Bearing & Stud Assy.	2
12	11C-1-18	Side Cover	1
21	11A-1-8	Cover & Seal Assy. - Upper	1
	11C-1-25	Upper Cover	1
22	11A-1-79	Oil Seal	1
	11A-1-35	Vent Plug	1
	11C-1-27	Stub Shaft Assy.	1
	11C-1-28	Pipe Plug - 3/8 Sq. Hd.	1
	11A-1-3	Oil Seal	1
2	11C-1-13	Expansion Plug - 2 1/8" Dia.	1
	11C-1-32	Kit - Consists of:	1
17	11-1-34	Ball Cup (Serviced Only in Kit)	2
	11C-1-23	Ball & Retainer S/A	2
16	11C-1-15	Retainer Only (Not Serviced Separately)	2
18	11-1-36	Balls (Not Serviced Separately)	20
8	11A-1-11	Hex Nut - 1 1/8"	1
7	11A-1-12	Lockwasher - 1 1/8" Med.	1
13	11-1-16	Adjusting Screw	1
14	11-1-17	Nut - Adj. Screw	1
	11C-1-29	Sealing Ring	1
	11C-1-30	Bolt & Washer - 3/8 - 16 X 1 1/2	6
	11C-1-31	Bolt & Washer - 3/8 - 16 X 1 1/8	4
11	11C-1-19	Gasket - Side Cover	1
20	11C-1-20	Shim - .002	A.R.
20	11C-1-21	Shim - .003	A.R.
20	11C-1-22	Shim - .010	A.R.
6	11C-1-2	Arm Assy. - C/W 1 3/4" Dia. Ball	1

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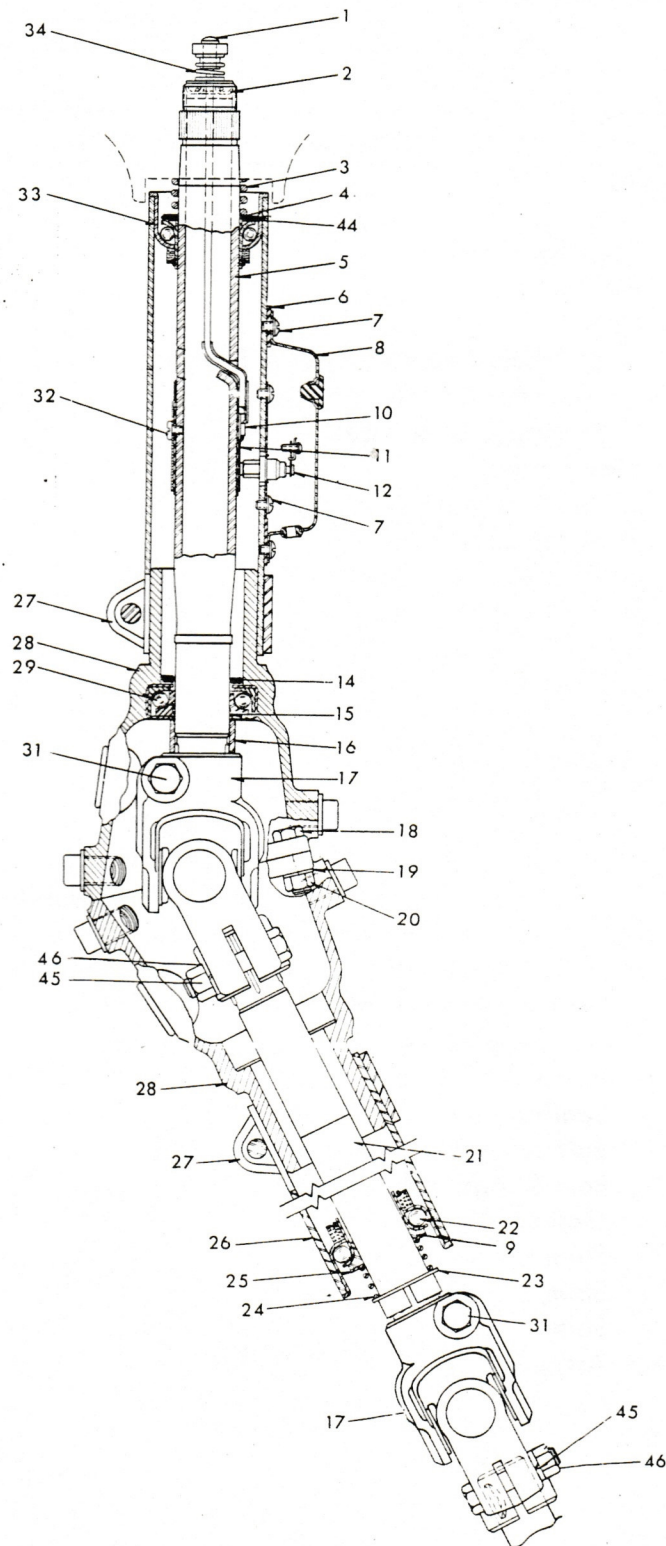


PLATE 11 - 16: STANDARD STEERING COLUMN



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GROUP:	11.02		

MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 11-16		<u>STANDARD STEERING COLUMN ASSEMBLY</u>	
	11C-2-82	Steering Column Assy. - Less Turn Signal Switch and Wheel	1
	11C-2-67	Jacket Tube Assembly - Upper	1
33	11A-2-123	Bearing - Jacket Tube	1
5	11C-2-60	Wheel Tube and Shaft Assy.	1
11	11A-2-7	Contact Ring Assy.	1
32	11A-2-8	Screw - 8-32 x 3/8 Nylon	1
1	11C-2-61	Cable Assy.	1
10	11A-2-11	Terminal	1
	11A-2-12	Ferrule	1
	11A-2-13	Insulator - Horn Cable	1
	11A-2-14	Terminal	1
34	11C-2-62	Spring	1
2	11C-2-83	Contact Cup	1
26	11C-2-64	Jacket Tube Assy. - Lower (Includes Brg.)	1
21	11A-2-133	Wheel Shaft	1
28	11C-2-73	Joint Housing & Plug Assembly	1
	11C-2-76	Snap Plug - 1 1/4"	4
	11A-2-99	Plug	1
14	11C-2-81	Washer - Felt	1
29	11A-2-65	Bearing	1
15	11A-2-72	Bearing Spacer	1
16	11A-2-134	Spacer Collar	2
17	11C-2-79	Universal Joint	2
18	11A-2-189	Screw - 5/16 - 24 x 1	4
19	11A-2-190	Lockwasher - 5/16 Med.	4
20	11A-2-191	Nut - 5/16 - 24 Hex.	4
31	11A-2-116	Bolt - 3/8 - 24 x 1 3/4 Hex. Hd.	4
46	11A-2-117	Lockwasher - 3/8	4
45	11A-2-118	Nut - 3/8 - 24 Hex.	4
	11A-2-126	Bearing Spacer	1
25	11A-2-124	Washer	1
24	11A-2-125	Spring	1
27	11A-2-188	Clamp Assy.	1
	N.P.N.	Grease Nipple - 65° x 1/8 N.P.T.	2
44	11C-2-75	Washer - Felt	1
4	11C-2-66	Spring Seat	1
6	11A-2-36	Seal - Contact Brush Cover	1
7	N.P.N.	Screw & Lockwasher - #8-32 x 3/16 N.C.	6
8	11A-2-32	Cover Assy. - Contact Brush	1
12	11A-2-29	Contact Brush	1
3	11A-2-23	Spring	1

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KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 11-10		<u>STANDARD STEERING COLUMN ASSEMBLY (Cont'd)</u>	
8	11A-2-27	Wheel Nut	1
9	11C-2-57	Steering Wheel	1
	11-2-177	Horn Button Assembly	1
	11-2-179	Button & Emblem S/A	1
2	11-2-180	Button Only	1
1	11-2-178	Emblem Only	1
3	11C-2-27	Contact Cup - Large	1
4	11-2-181	Spring	1
5	11-2-182	Contact Cup - Small	1
6	11-2-184	Wood Screw	3
7	11-2-183	Base Plate S/A	1
	11C-2-34	Base Cover - Steering Column at Floor	1
	11C-2-35	Grommet - Between Base Cover and Column	1
	7C-8-55	Directional Signal Switch Assembly	1
	7C-8-111	Switch S/A - Less Cancelling Plate	1
	7C-8-112	Plate S/A - C/W Spring Roller & Plate	1
	7C-8-113	Cancelling Plate S/A	1

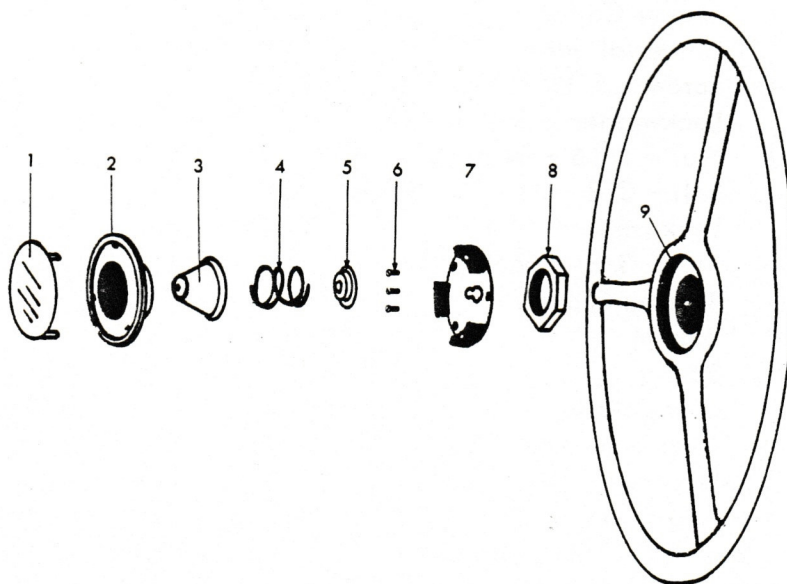
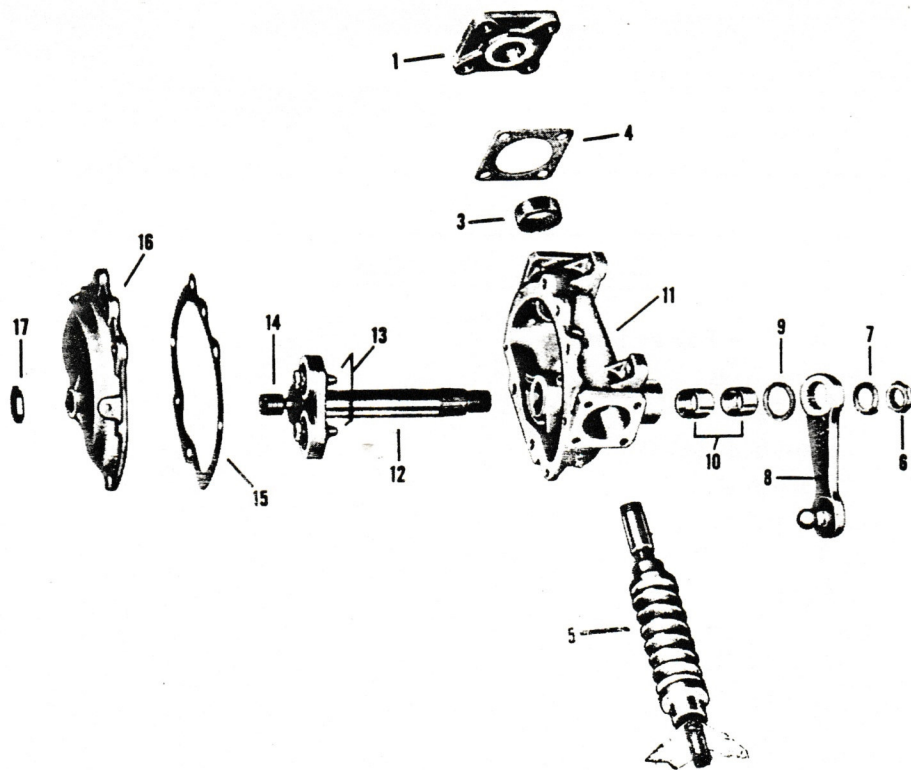


PLATE 11 - 10: HORN BUTTON ASSY. (Std. Steering)



FOR POWER STEERING
GEAR VALVE
SEE PAGE 11 - 8

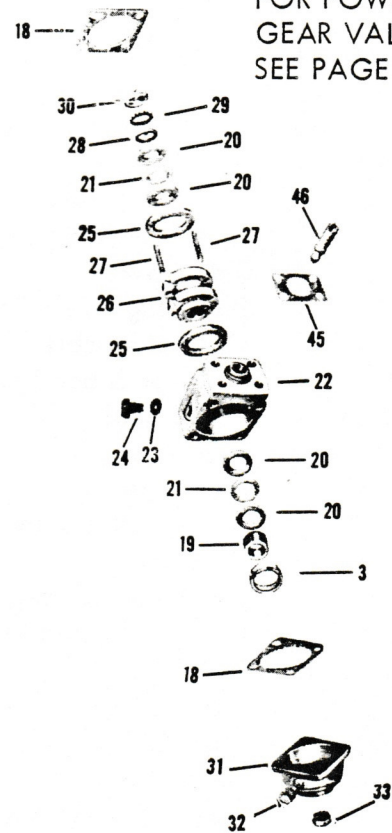


PLATE 11 - 9 - POWER STEERING GEAR

PARTS MANUAL

MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
<u>POWER STEERING GEAR</u>			
Plate 11-9			
	11A-1-53	Gear Assy. - Power Steering	1
11	11A-1-54	Housing S/A	1
9	11A-1-99	Oil Seal	1
	11A-1-100	Sleeve & Bearing Assy.	1
19	11A-1-101	Sleeve Only	1
3	11A-1-102	Cam Bearing	1
	11A-1-103	Pin	1
10	11A-1-55	Bushing	2
5	11A-1-57	Cam & Shaft Assembly	1
12	11A-1-62	Levershaft Assembly	1
	11A-1-63	Levershaft	1
6	11A-1-107	Nut - 12 x 1 1/4	1
7	11A-1-108	Lockwasher - 1 1/4	1
13	11A-1-65	Bearing Assembly	2
	11A-1-93	Nut	2
	11A-1-94	Washer - Pronged	2
14	11A-1-66	Adjusting Screw	1
	11A-1-149*	Stud	1
	11A-1-150*	Seat	1
	11A-1-151*	Retainer	1
	11A-1-152*	Plug	1
	11A-1-70	Nut - Hex, Jam	1
	11A-1-71	Lockwasher - Splined	1
16	11A-1-73	Side Cover	1
	11C-1-28	Pipe Plug - 3/8 Sq. Hd.	1
31	11A-1-75	Cover Assembly	1
31	11A-1-76	Cover & Bearing Assembly	1
33	11A-1-79	Oil Seal	1
32	11A-1-80	Vent Plug	1
1	11A-1-81	End Cover	1
22	11A-1-85	Housing & Bushing Assembly	1
26	11A-1-127	Actuator	1
46	11A-1-90	Lever - Actuating	1
25	11A-1-91	Washer - Centering	2
27	11A-1-89	Spring	3
	11A-1-98	Pipe Plug - 1/2 Sq. Hd.	1
	11A-1-105	Spacer	1
17	11A-1-112	Lock Nut	1
	11A-1-113	Bolt & Washer Assembly - 3/8 - 16 x 1 1/8	2
	11A-1-114	Screw - 3/8 - 24 x 1 5/8 Hex. Hd.	2
	11A-1-115	Washer - 25/64 x 11/16 Plain	4
	11A-1-116	Nut - 3/8 - 24 Hex.	2
	11A-1-117	Screw - 5/8 - 18 x 2 Hex. Hd.	5
* Not Recommended as Individual Replacement Parts			



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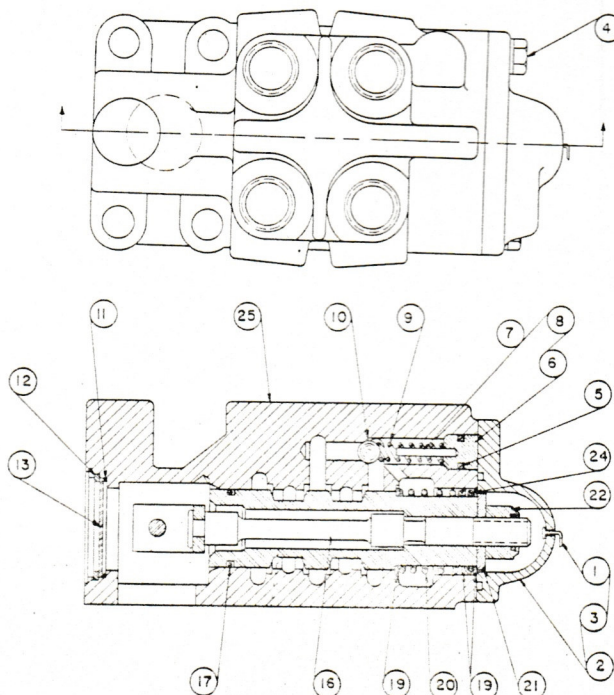
MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 11-9		<u>POWER STEERING GEAR (Cont'd)</u>	
	11A-1-118	Washer - 41/64 x 1 1/8 Plain	10
	11A-1-119	Nut - 5/8 - 18 Hex.	5
	11A-1-121	Screw - 1/2 - 13 x 1 1/2 Hex. Hd.	4
	11A-1-122	Washer - 33/64 x 29/32 Plain	4
4	11A-1-123	Gasket - End Cover	1
	11C-1-28	Pipe Plug - 3/8 Sq. Hd.	1
18	11A-1-126	Gasket	1
24	11A-1-128	Screw - 5/16 - 18 Spl. Hex. Hd.	1
23	11A-1-129	Washer - Locking	1
20	11A-1-130	Thrust Washer	4
21	11A-1-131	Thrust Bearing	2
28	11A-1-132	Washer - Tongued	1
29	11A-1-133	Lockwasher	1
30	11A-1-134	Lock Nut	1
	11A-1-136	Screw - 3/8 - 16 x 2 3/4 Hex. Hd.	4
	11A-1-141	Washer - 25/64 x 11/16 Plain	4
45	11A-1-126	Gasket	1
	11A-1-137	Pipe Plug - 1/8 Sq. Hd.	1
	11A-1-139	Gasket	1
	11A-1-140	Screw & Washer Assy. - 5/16 - 18 x 3/4 Spl. Hex. Hd.	4
15	11A-1-143	Gasket - Side Cover	1
8	11C-1-4	Arm Assy. - C/W 1 3/4" Dia. Ball	1

PARTS MANUAL

MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 11-15		<u>VALVE ASSEMBLY - POWER STEERING GEAR</u>	
25	11A-1-83	Valve Assembly - Power Steering Gear	1
8	11A-1-159	Plug Assembly	1
	11A-1-160	Plug	1
16	11A-1-167	Clevis Assembly	1
	11A-1-170	Pin	1
3	11A-1-186	End Cover Assembly	1
	11A-1-187	End Cover	1
	11A-1-184	"O" Ring	2
10	11A-1-163	Steel Ball	1
9	11A-1-164	Spring	1
5	11A-1-162	"O" Ring	1
17	11A-1-165	"O" Ring	1
19	11A-1-172	Centering Washer	3
20	11A-1-173	Spring	1
24	11A-1-174	"O" Ring	1
21	11A-1-175	Retaining Ring	1
22	11A-1-176	Stop Nut - 5/16 - 24 Elastic	1
11	11A-1-178	"O" Ring	1
13	11A-1-179	Cover Plate	1
12	11A-1-180	Ring Retainer	1
4	11A-1-181	Bolt & Washer Assembly - 1/4 - 20 x 5/8	2



VALVE ASSEMBLY - POWER STEERING GEAR



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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 11-14		<u>POWER STEERING COLUMN ASSEMBLY</u>	
	11C-2-77	Power Steering Column Assembly	1
	11C-2-67	Jacket Tube Assembly (Upper)	1
33	11A-2-123	Jacket Tube Bearing	1
5	11C-2-60	Wheel Tube & Shaft Assembly	1
11	11A-2-7	Contact Ring Assembly	1
32	11A-2-8	#8-32 x 3/8 Screw (Nylon)	2
1	11C-2-61	Cable Assembly	1
10	11A-2-11	Terminal	1
	11A-2-12	Ferrule	1
	11A-2-13	Horn Cable Insulator	1
	11A-2-14	Terminal	1
34	11C-2-62	Spring	1
2	11C-2-83	Contact Cup	1
26	11C-2-84	Jacket Tube Assembly (Lower)	1
22	11A-2-123	Jacket Tube Bearing	1
13	11C-2-85	Flexible Coupling	1
30	11C-2-20	Shell Assembly	1
39	11A-2-174	1 1/4 Dia. Exp. Plug	1
21	11C-2-86	Wheel Shaft Assembly	1
37	11A-2-176	Washer	2
38	11C-2-21	Button	2
35	11A-2-178	Lockwasher	2
36	11A-2-179	1/4 - 28 x 3/8 Hex. Hd. Scr.	2
43	11C-2-69	Seal	1
42	11A-2-181	Clamp	1
41	11C-2-87	3/8 - 24 x 2 Hex. Hd. Scr.	1
46	11A-2-183	3/8 Med. Lockwasher	1
40	11A-2-184	3/8 - 24 Hex. Nut	1
9	11A-2-126	Bearing Spacer	1
25	11A-2-124	Washer	1
24	11A-2-125	Spring	1
23	11C-2-70	Washer	1
28	11C-2-78	Joint Housing & Plug Assembly	1
	11A-2-99	Plug - Lower Housing	2
	11C-2-76	Snap Plug - 1 1/4"	1
14	11C-2-81	Washer - Felt	1
29	11A-2-65	Bearing	1
15	11A-2-72	Bearing Spacer	1
16	11A-2-134	Spacer Collar	1
17	11C-2-79	Universal Joint	1
31	11A-2-116	Bolt - 3/8 - 24 x 1 3/4 Hex. Hd.	4
46	11A-2-117	Lockwasher - 3/8	4
45	11A-2-118	Nut - 3/8 - 24 Hex.	4
	N.B. 1.	Grease Fitting - 65° x 1/8 N.P.T.	2

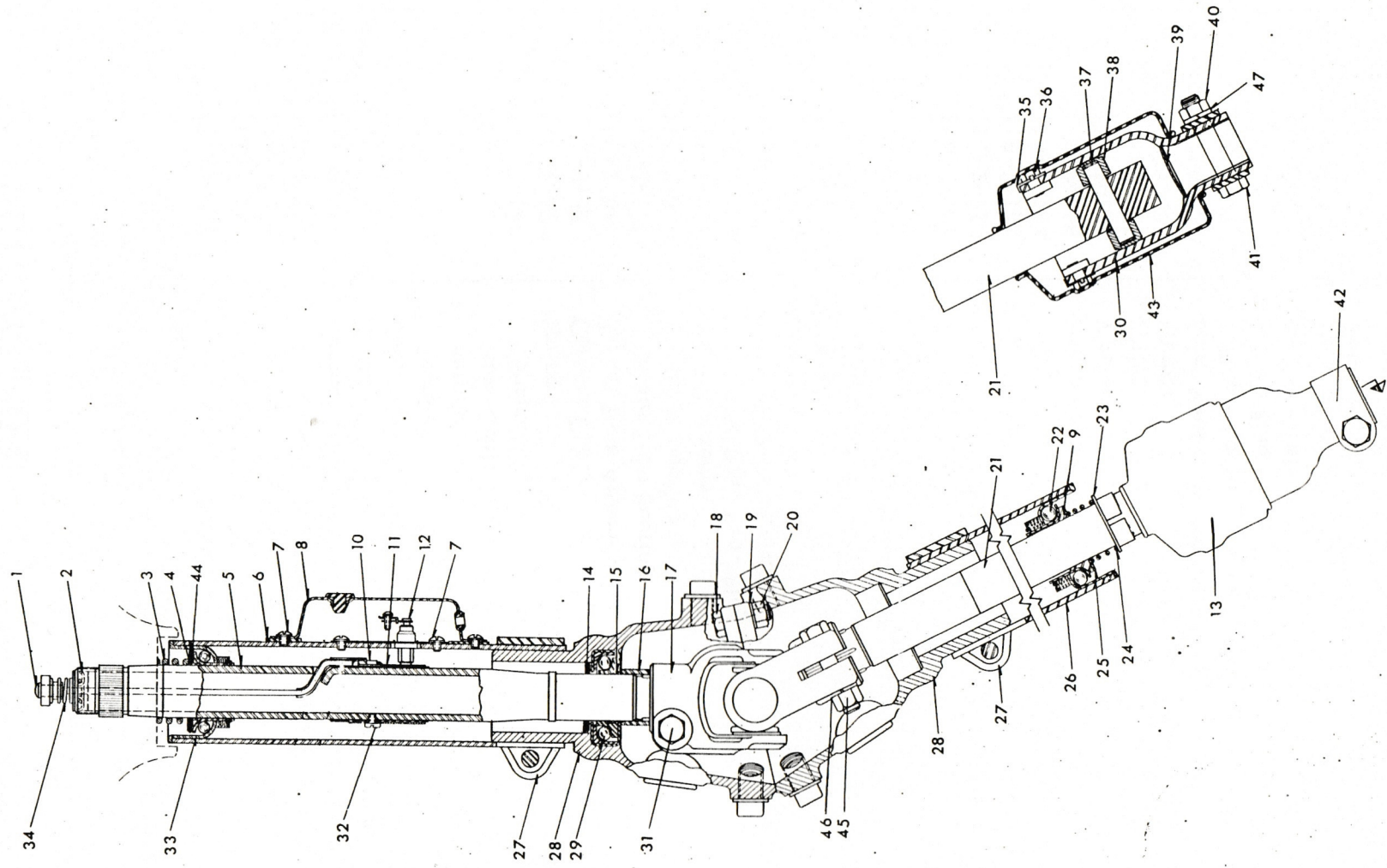


PLATE 11 - 14: POWER STEERING COLUMN

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MODEL MC-5A & MCC-5A			

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 11-14		<u>POWER STEERING COLUMN ASSEMBLY (cont'd)</u>	
27	11A-2-188	Clamp Assembly	2
44	11C-2-75	Washer - Felt	1
4	11C-2-66	Spring Seat	1
6	11A-2-36	Seal - Contact Brush Cover	1
7	N.P.N.	Screw & Lockwasher - #8-32 x 3/16 N.C.	6
8	11A-2-32	Cover Assy. - Contact Brush	1
12	11A-2-29	Contact Brush	1
18	11A-2-189	Screw - 5/16 - 24 x 1	4
19	11A-2-190	Lockwasher - 5/16 Med.	4
20	11A-2-191	Nut - 5/16 - 24 Hex.	4
3	11A-2-23	Spring	1
	11C-2-34	Base Cover - Steering Column at Floor	1
	11C-2-35	Grommet - Between Base Cover and Column	1
	7C-8-55	Directional Signal Switch Assembly	1
	7C-8-111	Switch S/A - Less Cancelling Plate	1
Plate 11-19	7C-8-112	Plate S/A - C/W Spring, Roller & Plate	1
	7C-8-113	Cancelling Plate S/A	1
8	11A-2-27	Wheel Nut	1
9	11C-2-55	Steering Wheel	1
	11C-2-50	Horn Button Assembly	1
	11C-2-28	Button & Emblem S/A	1
2	11C-2-29	Button Only	1
1	11C-2-1	Emblem Only	1
3	11C-2-27	Contact Cup - Large	1
4	11C-2-52	Spring	1
5	11C-2-54	Contact Cup - Small	3
6	11A-2-208	Wood Screw	1
7	11C-2-51	Base Plate Assembly	1

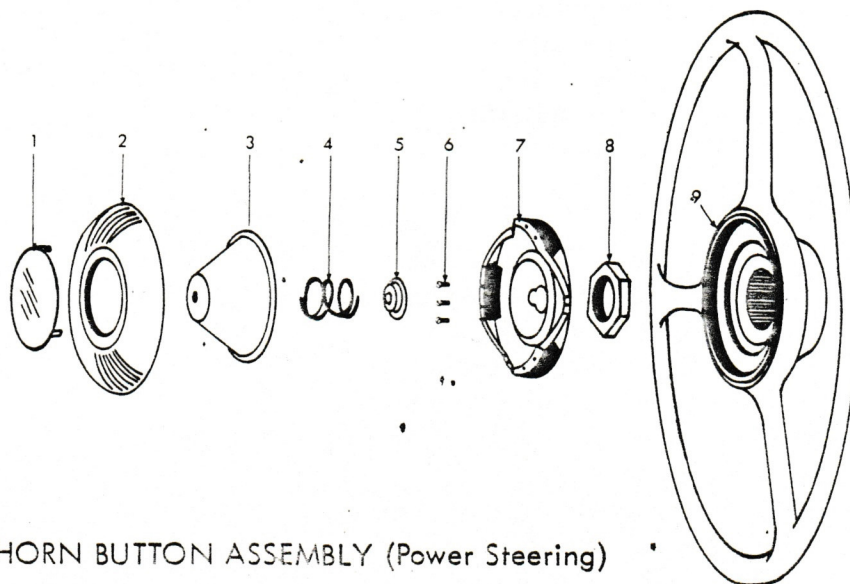


PLATE 11 - 19: HORN BUTTON ASSEMBLY (Power Steering)

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MODEL MC-5A & MCC-5A

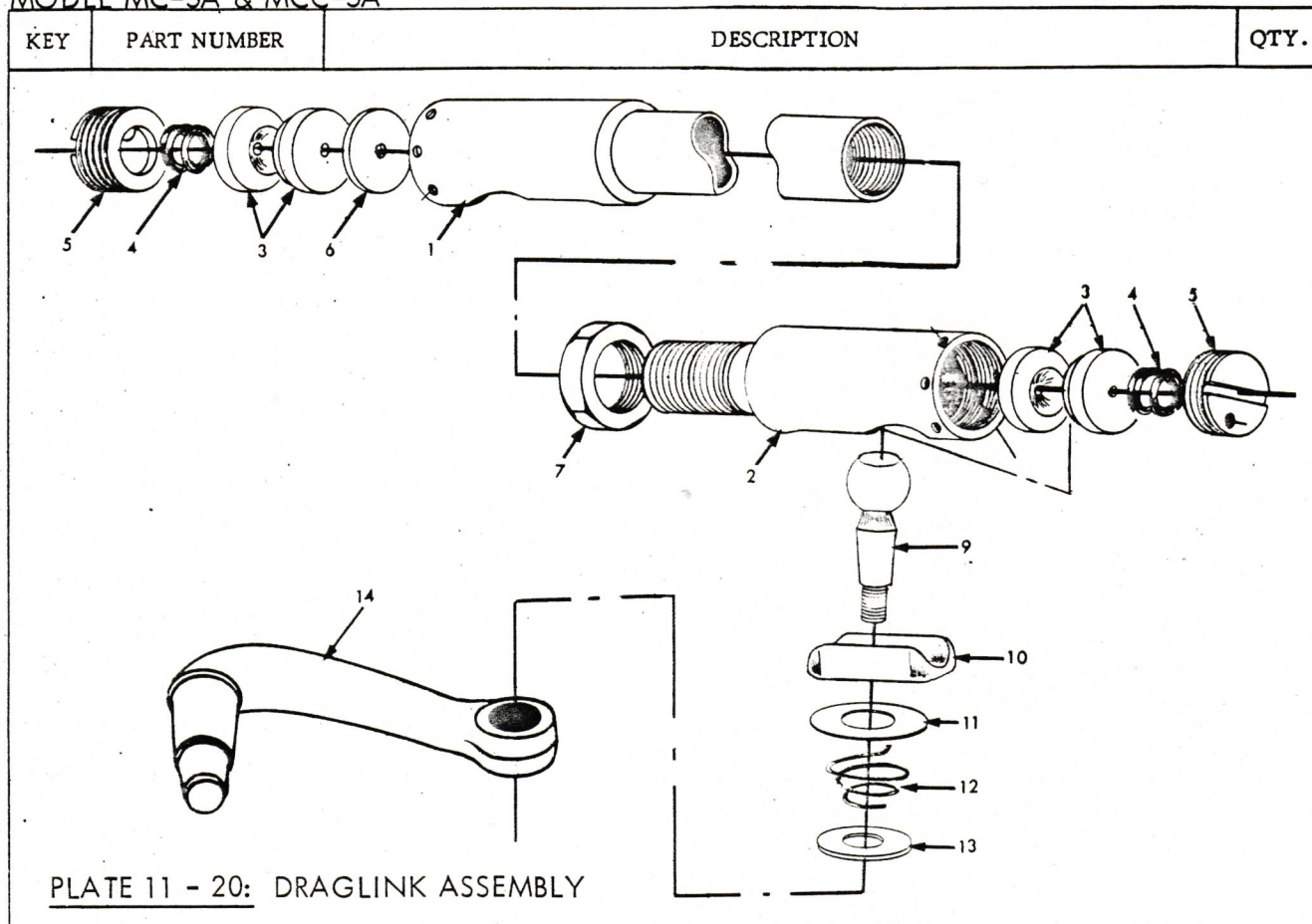


Plate	DRAG LINK ASSEMBLY			11.0401
11-20				
	11C-4-22	Drag Link Assy. - Steering Gear to Front Axle		1
1	11C-4-23	End - Front, Long		1
2	11C-4-24	End - Rear, Short		1
3	11C-4-12	Seat - Ball		4
4	11C-4-13	Spring - Retaining Ball Seat		2
5	11C-4-15	Plug - Adjusting		2
6	11C-4-20	Spacer		1
7	11C-4-16	Lock Nut		1
	N. P. N.	Grease Fitting - Adjuster Plugs, 1612 Alemite		2
	N. P. N.	Grease Fitting, Fixed End, 1680-B Alemite		1
	N. P. N.	Grease Fitting, Adjustable End, 1652-B Alemite		1
8	N. P. N.	Cotter Pin - 1/4 x 3		2
	11C-4-21	Cup - Grease Retaining (If Used)		1
9	1C-2-15	Stud - Steering Arm Ball		1
10	11C-4-25	Casting - Nylon, Drag Link Anti-Rattle		1
11	1A-2-27	Washer - Large		1
12	1C-2-38	Spring - Drag Link Tension		1
13	1C-2-14	Washer - Small		1
14	1C-2-12	In Steering Arm		1
	3C-59-110	Screen & Frame S/A - Drag Link Guard		1

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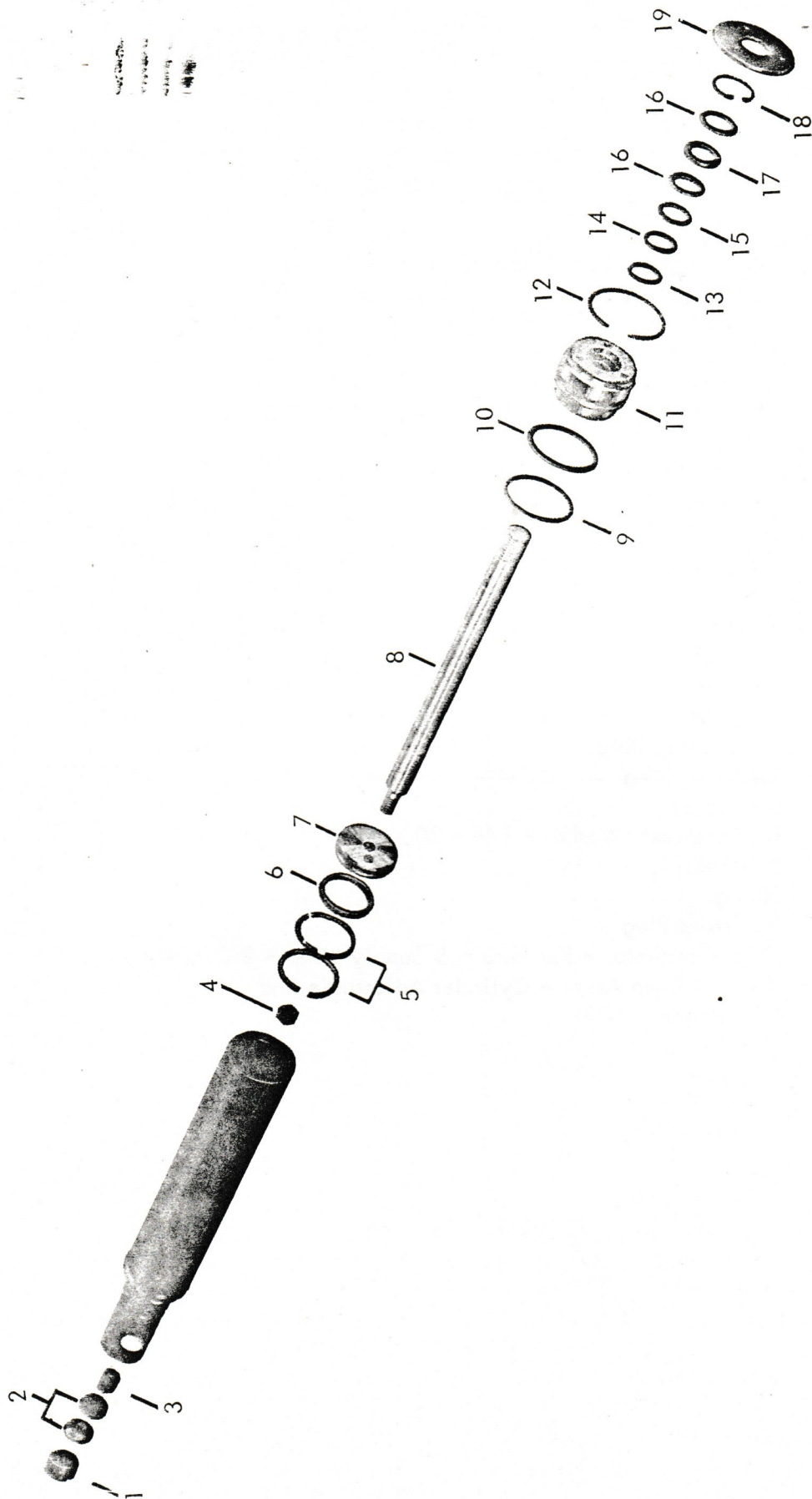


PLATE 11-7: POWER STEERING BOOSTER CYLINDER

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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 11-7		<u>POWER STEERING BOOSTER CYLINDER</u>	11.0701
	11C-7-30	Cylinder Assy. - Less Adapter	1
	11C-7-22	Piston and Rod Assy.	1
7	11C-7-23	Piston Assy.	1
8	11A-7-58	Piston Rod	1
4	11A-7-59	Lock Nut - 3/4 - 16 Hex.	1
5	11A-7-60	Piston Ring	2
	11C-7-24	Shim	1
6	11C-7-25	Seal	1
11	11C-7-31	Gland Assy.	1
10	11A-7-63	Back-Up Ring	1
9	11A-7-64	"O" Ring	1
13	11A-7-65	"O" Ring	1
17	11A-7-66	Seal	1
16	11C-7-32	Washer	2
14	11C-7-33	Back-Up Ring	1
15	11C-7-34	Washer	1
18	11C-7-35	Retaining Ring	1
12	11A-7-67	Retaining Ring	1
19	11A-7-68	End Cover	1
	11C-7-26	Bolt and Lock Washer - 1/4 - 20 X 5/8	4
2	11A-7-75	Ball Seat	2
3	11A-7-76	Spring	1
1	11A-7-77	Adjusting Plug	1
	N.P.N.	Male Connector - For Return & Supply Lines - 202702-6-65	2
	11C-7-28	Socket & Clamp Assy. - Cylinder Adjustable End	1
	11C-7-1	Socket Assy.	1
	11C-7-2	Seat	1
	11C-7-3	Spring	1
	11A-7-87	Ball Seat	2
	11C-7-5	Adjusting Plug	1
	11A-7-89	Clamp Assy.	1
	11A-7-90	Clamp Only	1
	11A-7-91	Screw - 1/2 - 20 X 2 1/4 Hex. Hd.	1
	11A-7-92	Lockwasher - 1/2 Medium	1
	11A-7-93	Nut - 1/2 - 20 Hex.	1
	11A-7-25	Anchor & Mtg. Plate Assy. - Cylinder Mtg.	1
	11A-7-26	Anchor Plate Only - Ball Stud Mtg.	1
	11C-7-21	Stud - Anchor Plate Mtg.	4
	N.P.N.	Nut - 1/2 - 20 Hex.	4
	N.P.N.	Washer - 1/2" Int. Tooth Star	4
	1-2-528	Ball Stud - On Anchor Plate	1
	1-2-141	Nut - Ball Stud	1



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MODEL MC-5A & MCC-5A			

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 11-13		<u>POWER STEERING FILTER</u> 11.0801	
	11C-8-47	Filter Assembly - Power Steering	1
1	11C-8-48	Filter Head	1
2	11C-8-49	Gasket	1
3	11C-8-50	Filter Element	1
4	11C-8-51	Bowl	1
5	11C-8-52	Nut - Retaining Element	1
6	11C-8-53	Stud - Retaining Element	1
7	N.P.N.	Pipe Plug - Hex. - 1/2" S.A.E.	1
	N.P.N.	Elbow Fitting - Male (Brass) 49 x 10	2

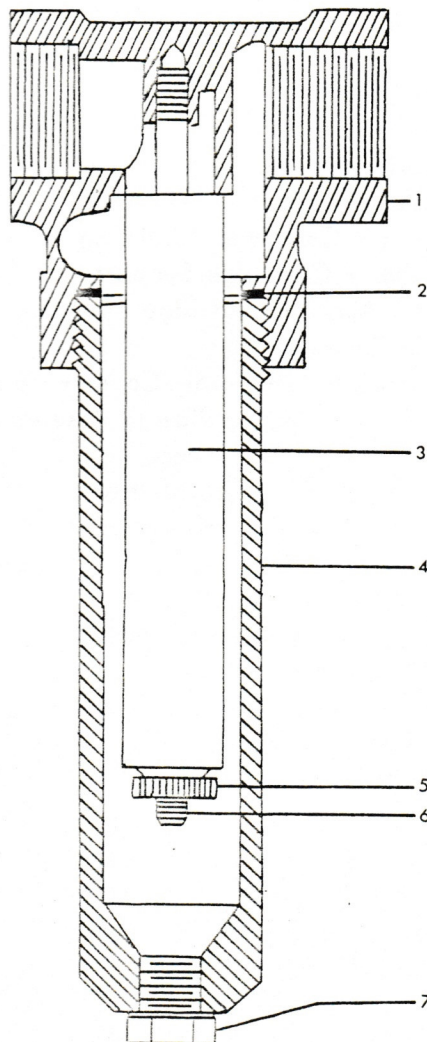


PLATE 11-13 POWER STEERING FILTER

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KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>POWER STEERING LINES & FITTINGS</u>	
	11C-7-11	Oil Filler Neck and Sight Glass S/A	1
	11C-7-9	Casting Only - Oil Filler Neck	1
	6C-6-25	Glass - Oil Level Indicator	1
	6C-6-26	Gasket - Sight Gauge, Outer	1
	6C-6-27	Gasket - Sight Gauge, Inner	1
	6C-6-28	Gland - Retaining Glass	1
	11C-7-17	Cap S/A - C/W Attaching Cable	1
	11C-7-14	Hose S/A - Filler Neck Overflow	1
	11C-8-71	Tube S/A - Reservoir Fill	1
	11C-8-72	Tube Only	1
	N.P.N.	Elbow Only - 9350 x 2W	2
	4C-20-5	Hose S/A - Sight Gauge and Reservoir Venting	2
	N.P.N.	Elbow - In Sight Gauge Casting - 169 x 4W	1
	11C-8-27	Reservoir & Filter Assembly	1
	11C-8-29	Shell Assy.	1
	11C-8-30	Cover Assy.	1
	11C-8-31	Bolt - Cover	1
	11C-8-32	Gasket - Cover Bolt	1
	11C-8-33	Gasket - Cover	1
	11C-8-34	Spring - Cartridge Retaining	1
	11C-8-36	Washer - Cartridge Support	1
	11C-8-37	Filter Assy. - Cartridge Type	1
	9A-6-96	Vent - Reservoir	1
	N.P.N.	Adapter Tee - Reservoir Cover - 56 x 4W	1
	N.P.N.	Male Elbow - Filler Pipe to Reservoir - 169 x 12	1
	11C-8-38	Hose - Reservoir to Pump	1
	N.P.N.	Clamp - Reservoir Outlet Hose	2
	11C-8-28	Elbow & Tube S/A - Pump Inlet	1
	N.P.N.	Nipple - Reservoir Outlet - 1" 110-0034	1
	11C-8-62	Elbow Assy. - Pump Outlet	1
	N.P.N.	Male Connector - 48 x 10	1
	11C-8-63	Hose S/A - Pump Outlet	1
	N.P.N.	Male Connector - Outlet Hose to Quick Disconnect - 48 x 10	1
	N.P.N.	Male Elbow - Reservoir Return Inlet - 49 x 10	1
	11C-8-61	Hose S/A - Reservoir Inlet	1
	N.P.N.	Male Connector - Inlet Hose to Quick Disconnect - 48 x 10	1
	N.P.N.	Coupling - Quick Disconnect Outlet & Return - 5110-10	1
	N.P.N.	Nipple - Quick Disconnect Outlet - 1/2 x 2 1/2 Brass	1
	N.P.N.	Male Elbow - Quick Disconnect Return - 49 x 10	1
	11C-8-3	Hose S/A - Filter Outlet	1
	N.P.N.	Male Connector - Rear Bogie - 48 x 10	2
	11C-8-3	Hose S/A - Return Line at Rear Bogie	1



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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>POWER STEERING LINES & FITTINGS (Cont'd)</u>	
	N.P.N.	Male Connector - On Front Frame - 48 x 6B	2
	11C-8-57	Hose S/A - Valve Supply and Return	2
	N.P.N.	Male Connector - On Valve - 202702-6-6S	4
	11C-8-10	Hose S/A - Valve to Cylinder - 34 3/4"	1
	11C-8-9	Hose S/A - Valve to Cylinder - 25"	1
	N.P.N.	Male Connector - On Cylinder - 202702-6-6S	2

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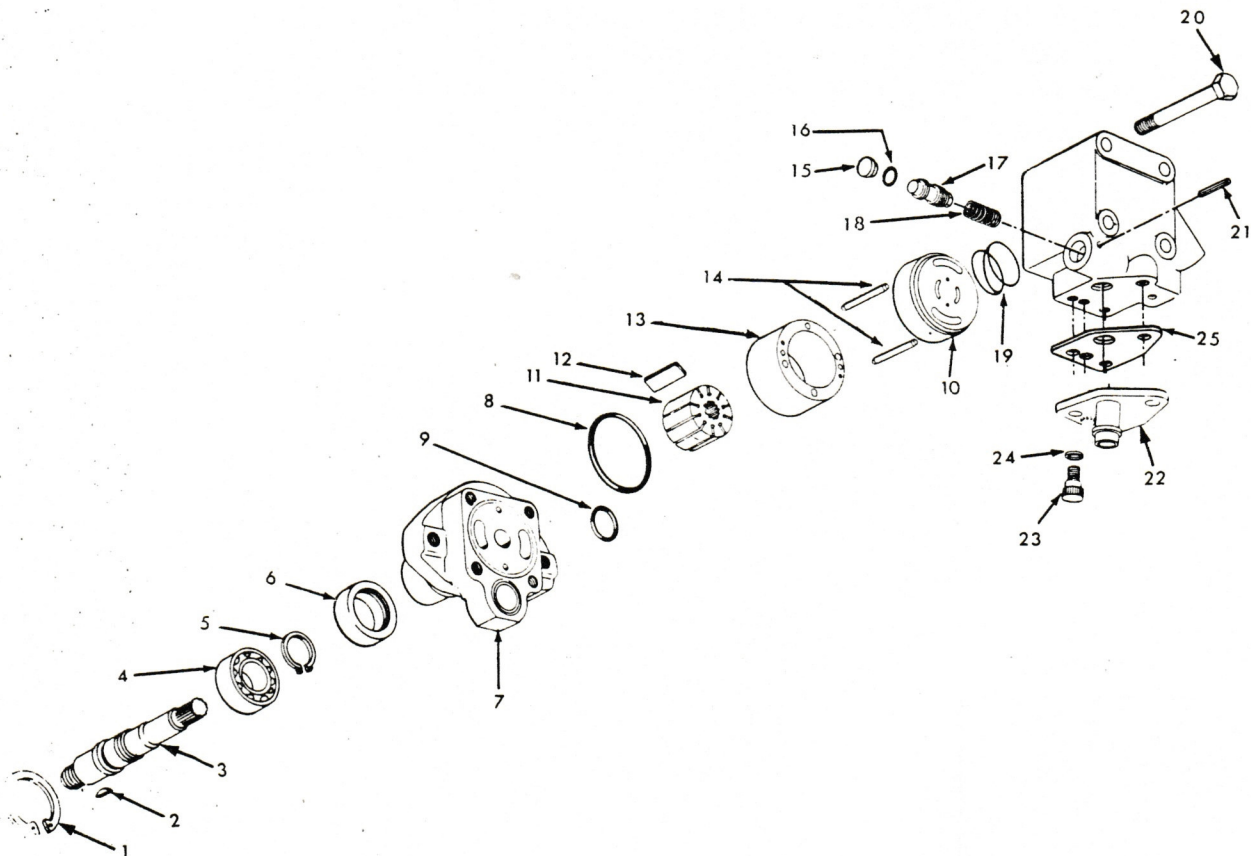


PLATE 11 - 18: POWER STEERING PUMP



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11 - STEERING

GROUP:

11.09

MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
<u>POWER STEERING PUMP ASSEMBLY</u>			
	11C-9-63	Pump Assembly - Power Steering	1
1	11C-9-53	Snap Ring	1
2	11C-9-21	Key	1
3	11C-9-51	Shaft	1
4	11C-9-50	Bearing	1
5	11C-9-49	Snap Ring	1
	11C-9-54	Seal Kit	1
6	11C-9-56	Shaft Seal	1
9	11C-9-25	"O" Ring	1
8	11C-9-27	"O" Ring	1
16	11C-9-30	"O" Ring	1
25	11C-9-55	Gasket	1
7	11C-9-48	Body	1
	11C-9-64	Cartridge Kit	1
11	11C-9-69	Rotor	1
12	11C-9-68	Vane Kit (10 vanes)	1
13	11C-9-67	Ring	1
14	11C-9-66	Pin	2
10	11C-9-42	Pressure Plate	1
19	11C-9-65	Spring	1
15	11C-9-10	Plug	1
17	11C-9-9	Control Valve S/A	1
18	11C-9-8	Spring	1
20	11C-9-37	Screw	4
21	11C-9-36	Pin	1
23	11C-9-34	Screw	1
24	11C-9-3	Washer	1
22	11C-9-35	Manifold S/A	1
	5108954	Adapter Casting - Power Steering Pump to Engine	1
<u>NOTE: For Power Steering Pump Drive Parts See Section 8</u>			
	5124926	Gasket - Power Steering Pump to Adapter	1
	5122227	Gasket - Adapter to Flywheel Housing	1
	11C-9-57	Retaining Crab - P.S. Pump & Air Comp.	1
	11C-9-58	Stud - P.S. Pump	1
	11C-9-59	Extension Nut - P.S. Pump Stud	1
	11C-9-62	Flat Washer - Retaining Crab	1

SECTION 12

Suspension

GROUP INDEX

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Front Suspension.....	12.01
Rear Suspension.....	12.03
Shock Absorbers and Links.....	12.05
Leveling Valve.....	12.06
Air Filter and Check Valve.....	12.07



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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
		* Effective Prior to Coach Unit No. 6369 ** Effective With Coach Unit No. 6369	
		<u>FRONT SUSPENSION</u> 12.0101	
*	12-1-200	Bellows - Front	4
	12-1-201	Bead Ring - Top and Bottom	8
*	12-1-202	Girdle Ring - Bellows Center	4
	12-1-203	Bolt - Bellows Attaching	64
**	12C-1-35	Bellows - Front	4
	12-1-204	Radius Rod - Front Upper and Lower - 23 1/2" Long	4
	12-1-205	Radius Rod - Front Lateral - 41 1/8 Long	1
	12-1-206	Bushing - Radius Rod Front	10
	12-1-207	Stud - Radius Rod Pin	20
	N. P. N.	Castle Nut - Radius Rod Pin, 3/4 - 16	20
	12-1-208	Washer - Radius Rod Pin	10
	12C-1-23	Support - L.H. Front Suspension	1
	12C-1-24	Support - R.H. Front Suspension	1
	12-1-209	U-Bolt - Front Suspension L.H. & R.H.	4
	12C-1-12	U-Bolt - Front Axle Bracket	1
	N. P. N.	Nut - U-Bolt, 3/4 - 16	10
	12A-1-1	Front Axle Saddle - L.H.	1
	12A-1-2	Front Axle Saddle - R.H.	1
	12-1-256	Rubber Bumper	2
	12-1-211	Lock Strap - Locking Radius Rod Nuts	10
	12C-1-22	U-Bolt - Height Control Valve Bracket	1
	N. P. N.	Nut - U-Bolt, 3/8 - 24	2
	12C-1-25	Bracket - U-Bolt Retainer	1
	12C-1-26	Jacking Pad S/A - L.H. & R.H. Front	2
	12C-1-27	Tube Only - Extension	2
	12C-1-28	Pad - Tube Closing	4
		<u>REAR SUSPENSION</u> 12.0301	
*	12-3-660	Bellows - Rear	4
	12-3-661	Bead Ring - Top and Bottom	8
*	12-3-662	Girdle Ring - Bellows Center	4
	12-3-689	Bolt - Bellows Attaching	64
**	12C-3-51	Bellows - Rear	4
	12B-3-2	Radius Rod - Rear Axle Upper, 44°	2
	12-3-664	Radius Rod - Rear Axle Lower, 24" Long	2
	12-1-206	Bushing - Radius Rod Rear	8
	12-1-207	Stud - Radius Rod Pin	16
	N. P. N.	Castle Nut - Radius Rod Pin, 3/4 - 16	16
	12-1-208	Washer - Radius Rod Pin	16
	12-3-17	Support - L.H. Rear Suspension	1

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MODEL MC-5A & MCC-5A

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KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>REAR SUSPENSION (Cont'd)</u> 12.0302	
	12C-3-1	Support - R.H. Rear Suspension	1
	12-1-256	Rubber Bumper	2
	12C-3-27	Bolt - Rear Inner & Outer Suspension, 3/4 - 16 x 3	8
	N. P. N.	Nut - Hex., 3/4 - 16	8
	N. P. N.	Jam Nut - 3/4 - 16	8
	12-1-211	Lock Strap - Locking Radius Rod Nuts	8
	12C-3-35	Pin Assy. - Radius Rod, Rear Suspension	2
	12C-3-37	Bolt - Pin Retaining, 1 - 14 x 2	2
	12C-3-38	Lockwasher - 1"	2
	12C-3-42	Jacking Pad S/A - L.H. & R.H. Rear	2
	12C-3-43	Tube Only - Extension	2
	12C-1-28	Pad - Tube Closing	2
	12B-1-21	Shock Pin - Shock Absorber Mtg.	12
	2B-2-26	Pin - Radius Rod Anchor at Rear Axle	1
		<u>SHOCK ABSORBERS</u>	
	12B-5-1	Shock Absorber Assembly	6
	12-5-123	Rubber Eye - Shock Absorber	24
	12C-3-47	Grease Shield - L.H. Rear Bellows	1



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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 12-11		<u>HEIGHT CONTROL VALVES</u>	12.0601
	12C-6-1	Valve - Height Control Front and R.H. Rear	1
	12C-6-2	Valve - Height Control L.H. Rear	1
20	12A-6-13	Adapter Assembly (Wheel Reservoir)	1
19	12A-6-38	Screen - Wheel Reservoir	1
18	12A-6-15	Adapter Assembly - Intake Check	1
17	12A-6-14	"O" Ring - (-.296 - .306 I.D.)	1
21	12A-6-19	Gasket Adapter - Retaining	2
16	12A-6-77	Plug - Nylon (Exhaust)	1
15	12A-6-78	Filter - (Exhaust)	1
9	12A-6-22	Valve Core - Intake	1
14	12A-6-23	Valve Core - Exhaust	1
8	12A-6-24	Clip - Valve Stem Lock (Exhaust)	1
4	12A-6-31	"O" Ring - (.795 - .807 I.D.) - Cover Plate	1
13	12A-6-32	Plug - (Delay Assembly)	1
12	12A-6-33	"O" Ring - (.421 - .431 I.D.) - Plug	1
5	12A-6-34	Piston Assembly - (Delay Assembly)	1
11	12A-6-35	Pin - Piston Actuating	1
	12A-6-87	Overtravel Control Valve Assembly - L.H. Rear	1
	12A-6-88	Overtravel Control Valve Assembly - Front & R.H. Rear	1
30	12A-6-66	Body - Overtravel Control	1
32	12A-6-67	Lever - Overtravel	1
34	12A-6-69	Nut - Stud Retaining	1
23	12A-6-89	Shaft - Overtravel Control - L.H. Rear	1
23	12A-6-90	Shaft - Overtravel Control - Front & R.H. Rear	1
22	12A-6-48	"O" Ring - (.234 - .244 I.D.) - Shaft	1
24	12A-6-49	"O" Ring - (.296 - .306 I.D.) - Shaft	2
27	12A-6-50	Spring - Overtravel (Major)	1
28	12A-6-51	Spring - Overtravel (Minor)	1
26	12A-6-52	Piston - Overtravel	1
25	12A-6-53	Plug - Overtravel Body	1
33	12A-6-54	Fastener - Plug Retaining	1
29	12A-6-55	Seal - Overtravel Control Body	1
31	12A-6-68	Stud - Lever Retaining	1
2	12A-6-80	Cover Plate & Mounting Bracket - L.H. Rear	1
2	12A-6-79	Cover Plate & Mounting Bracket - Front & R.H. Rear	1
6	12A-6-81	Gasket - Cover Plate & Bracket	1
1	12A-6-82	Screw & Lockwasher Cover Plate and Bracket Retaining	4
36	12A-6-83	Adjusting Arm	1
7	12A-6-84	Screw & Lockwasher Adjusting Arm Retaining	1
35	12A-6-86	Retaining Ring - Cover Plate	1
3	12A-6-85	Cover Plate - (Delay Assembly)	1

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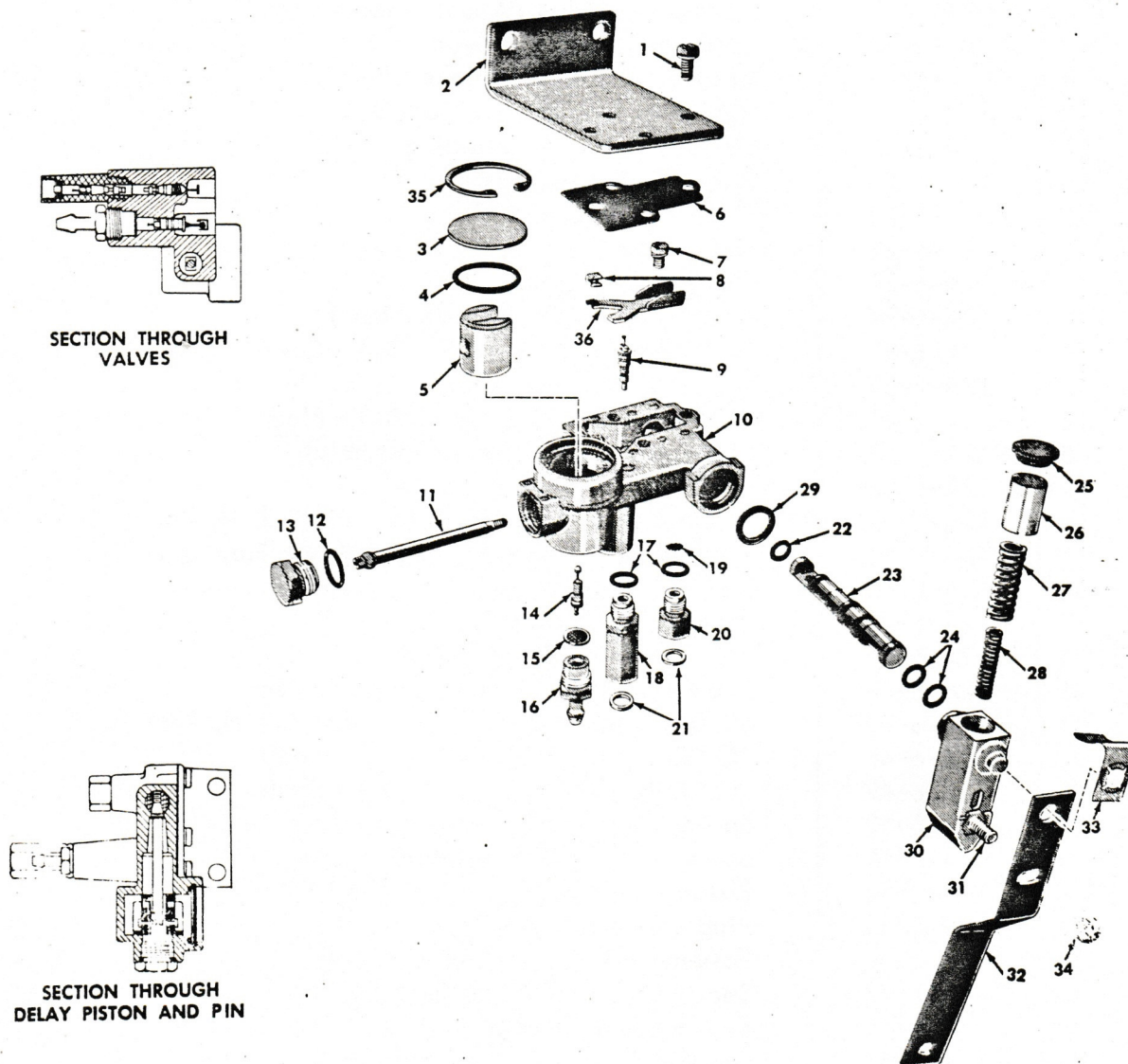


PLATE 12 - 11 - L.H. & R.H. HEIGHT CONTROL VALVES - REAR



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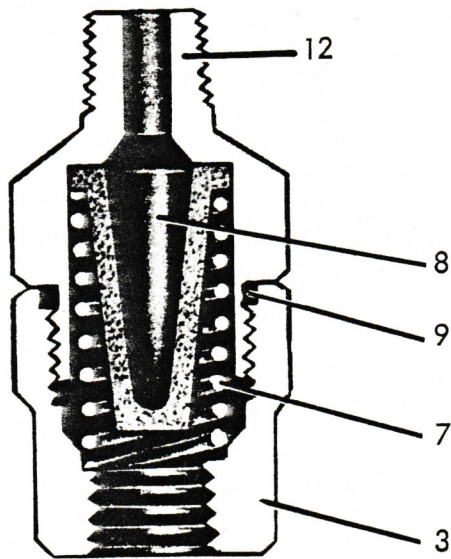
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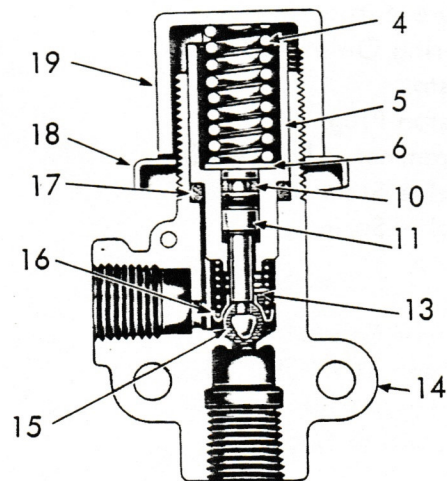
MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>HEIGHT CONTROL VALVE LINKS</u> 12.0603	
	12B-6-2	Link Assembly - Type 46A - Rear 7" Straight	2
	12A-6-6	Link Only	2
	12A-6-7	Rubber Bushing - For Eye	4
	12B-6-3	Steel Sleeve	4
	N.P.N.	Bolt - 1/4 x 1 1/4 Standard Hex. Head	4
	N.P.N.	Washer - 1/4 Standard Flat	4
	12B-6-1	Link Assembly - Type 46A - Front 9 1/4" Twisted	1
	12A-6-9	Link Only	1
	12A-6-7	Rubber Bushing - Eye	2
	12B-6-3	Steel Sleeve	2
	N.P.N.	Bolt - 1/4 x 1 1/4 Standard Hex. Head	2
	N.P.N.	Washer - 1/4 Standard Flat	2
Plate 12-15		<u>AIR FILTER & PRESSURE PROTECTION VALVE</u> 12.0701	
1	12-7-2	Air Filter	5
3	12-7-3	Cover	5
9	12-7-9	Grommet - .890" O.D.	5
12	12-7-12	Body	5
7	12-7-7	Spring - Filter	5
8	12-7-8	Filter	5
2	12C-7-16	Pressure Protection Valve - PR2	1
4	12C-7-17	Spring Only - 65 p.s.i.	1
5	12C-7-18	Piston	1
6	12C-7-19	Piston Plug	1
10	12C-7-20	Grommet - 1/2" O.D.	1
11	12C-7-21	Valve Stem	1
13	12C-7-22	Valve Spring	1
14	12C-7-23	Body	1
15	12C-7-24	Valve	1
16	12C-7-25	Valve Guide	1
17	12C-7-26	Grommet - .590" O.D.	1
18	12C-7-27	Stamped Nut	1
19	12C-7-28	Adjusting Cap	1

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1 - AIR FILTER



2 - PRESSURE PROTECTION VALVE
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MODEL MC-5A & MCC-5A			

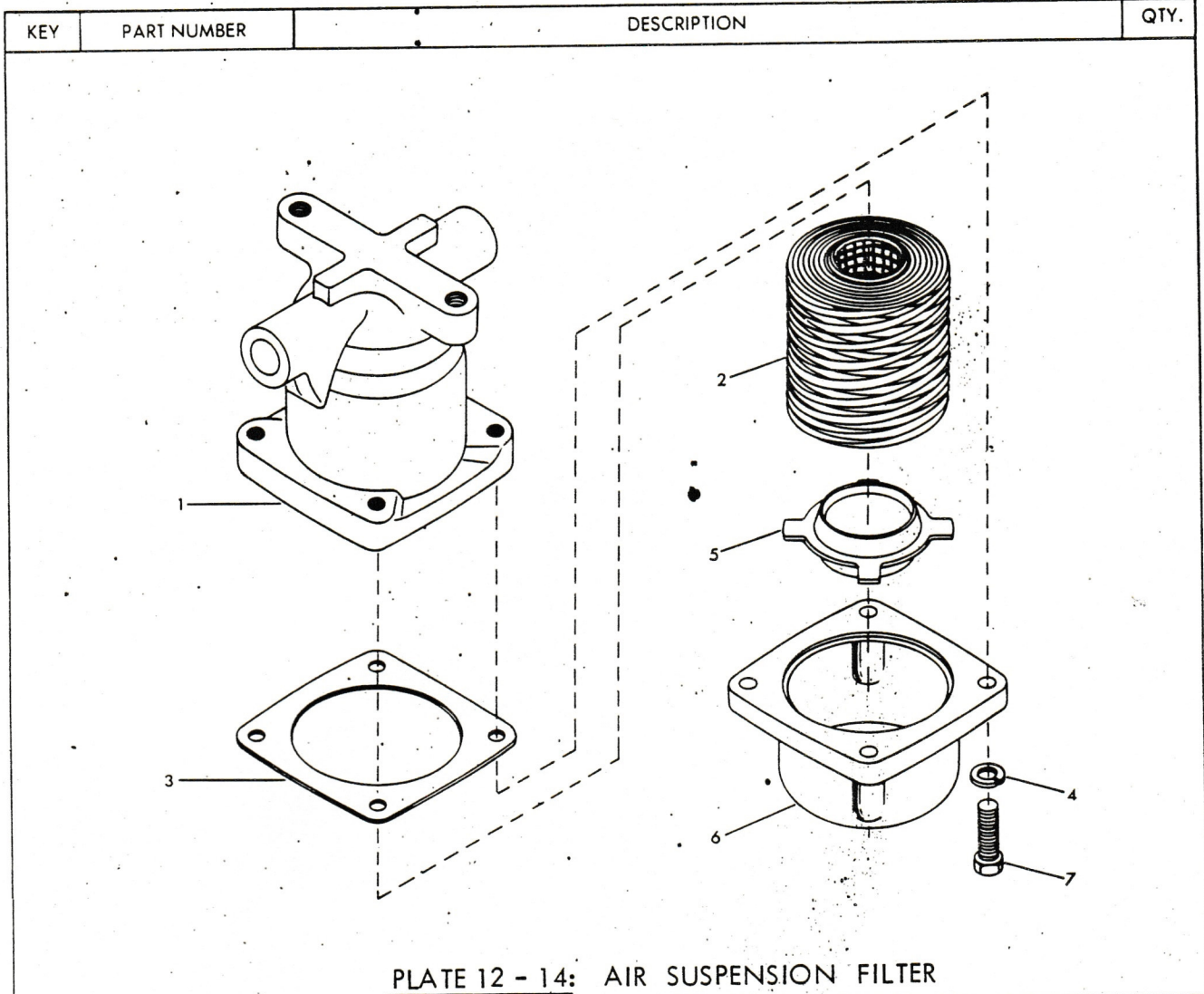


Plate	AIR SUSPENSION FILTER			12.0703
12-14				
	12F-7-3	Filter Assy. - Type "E" - Air Suspension System		1
1	12C-7-2	Body Only		1
2	12C-7-3	Element - Filter		1
3	12C-7-4	Gasket - Cover		1
4	12C-7-5	Lockwasher		4
	12F-7-5	Nut		4
5	12C-7-7	Support - Strainer		1
6	12C-7-8	Cover		1
7	12F-7-4	Stud - Cover & Body		4
	12C-7-29	Drain Cock		1

SECTION 13

Transmission

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Bearings.....	13.03
Reverse Solenoid.....	13.04
Speedometer Drive Parts.....	13.05
Clutch Release Mechanism.....	13.06
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Companion Flange.....	13.08
Control Rod Bearings & Brackets.....	13.09

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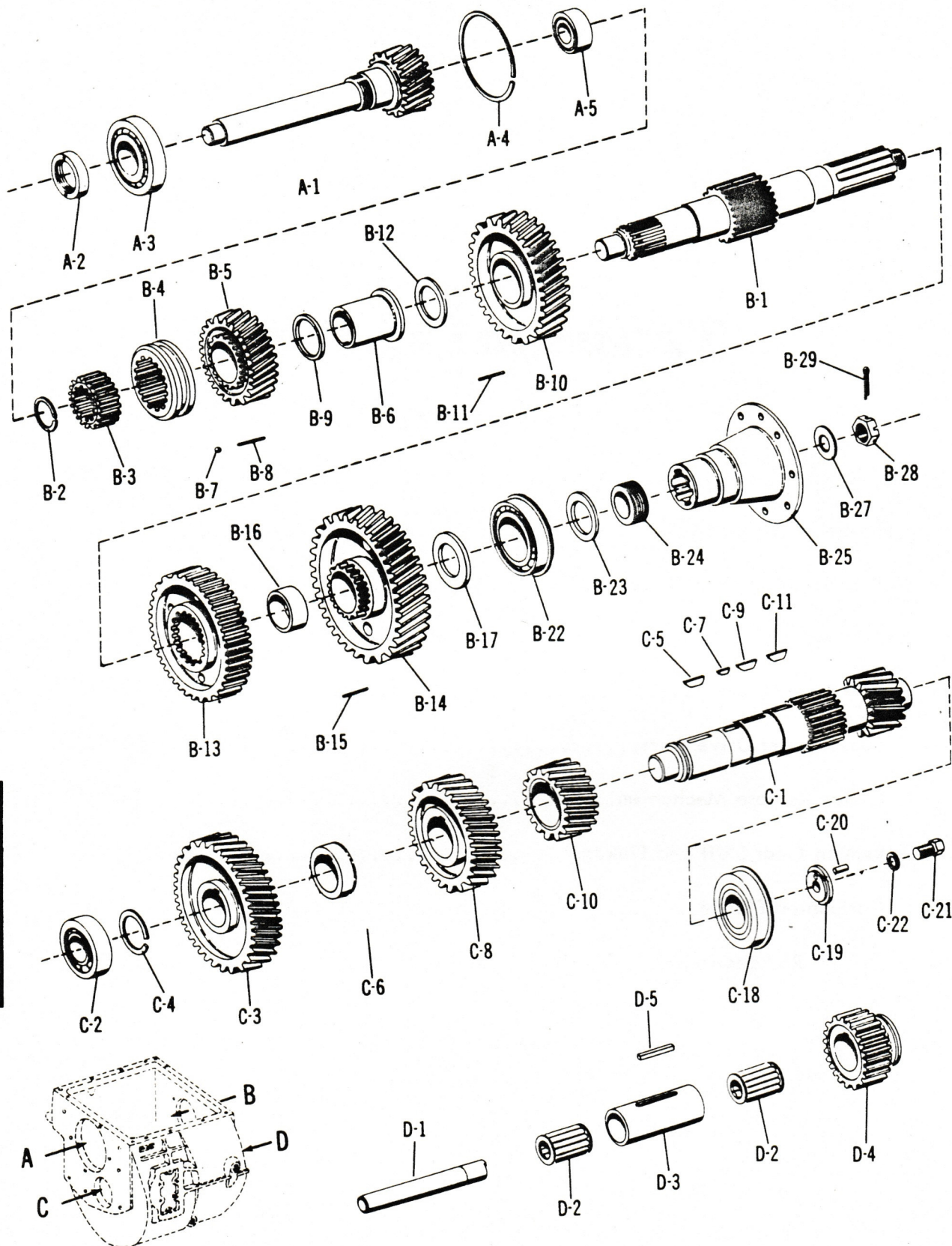


PLATE 13 - 10: GEARS & RELATED PARTS
(Model 8245D)



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13 - TRANSMISSION

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13.01 - 13.08

MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 13-10		Model 8245D - Effective Prior to Coach Unit No. 6143 <u>GEARS AND RELATED PARTS</u>	
	13C-1-1	Transmission Assembly - Complete	1
A-1	13B-2-13	Drive Gear (29T)	1
A-2	13C-2-30	Lock Nut - Drive Gear Bearing	1
A-3	13B-3-1	Bearing - Drive Gear	1
A-4	13B-2-82	Snap Ring - Drive Gear Bearing	1
A-5	13C-3-7	Bearing & Spacer Assy. - Drive Gear Pocket	1
B-1	13C-2-19	Main Shaft	1
B-2	13B-2-84	Snap Ring - Main Shaft 3rd & 4th Gear	1
B-3	13B-2-116	Gear - Main Shaft 3rd & 4th	1
B-4	13B-2-115	Collar - Main Shaft 3rd & 4th Gear	1
B-5	13B-2-6	Gear - Main Shaft 3rd	1
B-6	13B-2-44	Sleeve - Main Shaft 3rd Gear	1
B-7	13B-2-65	Ball - Main Shaft 3rd Gear Sleeve Lock	2
B-8	13C-2-89	Bearing - Main Shaft 3rd Gear	1
B-10	13B-2-5	Gear - Main Shaft 2nd	1
B-11	13C-2-89	Bearing - Main Shaft 2nd Gear	1
B-13	13B-2-4	Gear - Main Shaft Reverse (45T)	1
B-14	13B-2-3	Gear - Main Shaft 1st (44T)	1
B-15	13B-2-159	Bearing - Main Shaft 1st Gear	1
B-17	13B-2-111	Washer - Main Shaft 1st Gear Thrust	1
B-22	13B-3-7	Bearing - Main Shaft Rear	1
B-23	13B-2-48	Spacer - Speedo Gear & Bearing	1
B-24	13C-5-1	Gear - Speedo Drive	1
	13C-5-2	Key - Speedo Drive Gear	1
B-25	13B-8-1	Companion Flange S/A	1
	13B-8-2	Companion Flange Only	1
	13C-8-1	Sleeve - Companion Flange	1
B-27	13B-2-110	Washer - Main Shaft Nut	1
B-28	13C-2-15	Nut - Main Shaft	1
C-1	13B-2-12	Counter Shaft S/A - C/W 13B-2-104 Pin	1
C-2	13C-3-1	Bearing - Counter Shaft Front	1
	7	Insert - Counter Shaft Front Bearing	1

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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 13-10		Model 8245D - Effective Prior to Coach Unit No. 6143 <u>GEARS AND RELATED PARTS (Cont'd)</u>	
C-3	13B-2-1	Gear - Counter Shaft Drive (42T)	1
C-4	13B-2-83	Snap Ring - Counter Shaft Drive Gear	1
C-5	13B-2-36	Key - Counter Shaft Drive Gear	1
C-6	13B-2-47	Spacer - Counter Shaft Drive Gear	1
C-8	13B-2-16	Gear - Counter Shaft 3rd	1
C-9	13B-2-36	Key - Counter Shaft 3rd Gear	1
C-10	13B-2-15	Gear - Counter Shaft 2nd	1
C-11	13B-2-36	Key - Counter Shaft 2nd Gear	1
C-18	13B-3-5	Bearing - Counter Shaft Rear	1
	13B-2-118	Insert - Counter Shaft Rear Bearing	1
C-19	13B-2-112	Washer - Counter Shaft Lock Screw Retainer	1
C-20	13B-2-104	Pin - Retainer Washer	1
C-21	13B-2-135	Screw - Counter Shaft Lock	1
C-22	13B-2-109	Lockwasher - Counter Shaft Lock Screw	1
D-1	13B-2-54	Shaft - Reverse Sliding Gear	1
D-2	13B-3-6	Bearing - Reverse Sliding Gear	2
D-3	13B-2-86	Sleeve - Bearing	1
D-4	13B-2-2	Gear - Reverse Sliding (27T)	1
D-5	13B-2-35	Key - Reverse Sliding Gear	1
D-6	13C-2-20	Washer - Reverse Sliding Gear	1
Plate 13-9		<u>CASES, BEARING CAPS AND RELATED PARTS</u>	
	13C-2-80	Gasket Set - Transmission	1
E-1	13C-2-18	Clutch Housing S/A - 15" - 2 Plate Clutch	1
E-2	13C-2-5	Bushing - Clutch Release Shaft	1
E-3	13C-2-23	Cover - Clutch Housing Hand Hole	1
E-4	13B-2-144	Screw - Hand Hole Cover	2
E-5	13B-2-108	Lockwasher - Hand Hole Cover Screw	2
E-6	13B-2-127	Gasket - Clutch Housing to Trans. Case	1
E-7	13B-2-140	Stud - Clutch Housing	7
	13B-2-96	Nut - Clutch Housing Stud	7
E-9	13B-2-113	Lockwasher - Stud Nut	7
	13B-2-68	Gasket - Clutch Shifter Shaft Cover	1
F-1	13B-2-9	Cap - Mainshaft Front Bearing	1
	13C-2-73	Sleeve & Oil Seal S/A - Mainshaft Front Bearing Cap	1
		Gasket - Front Bearing Cap	1

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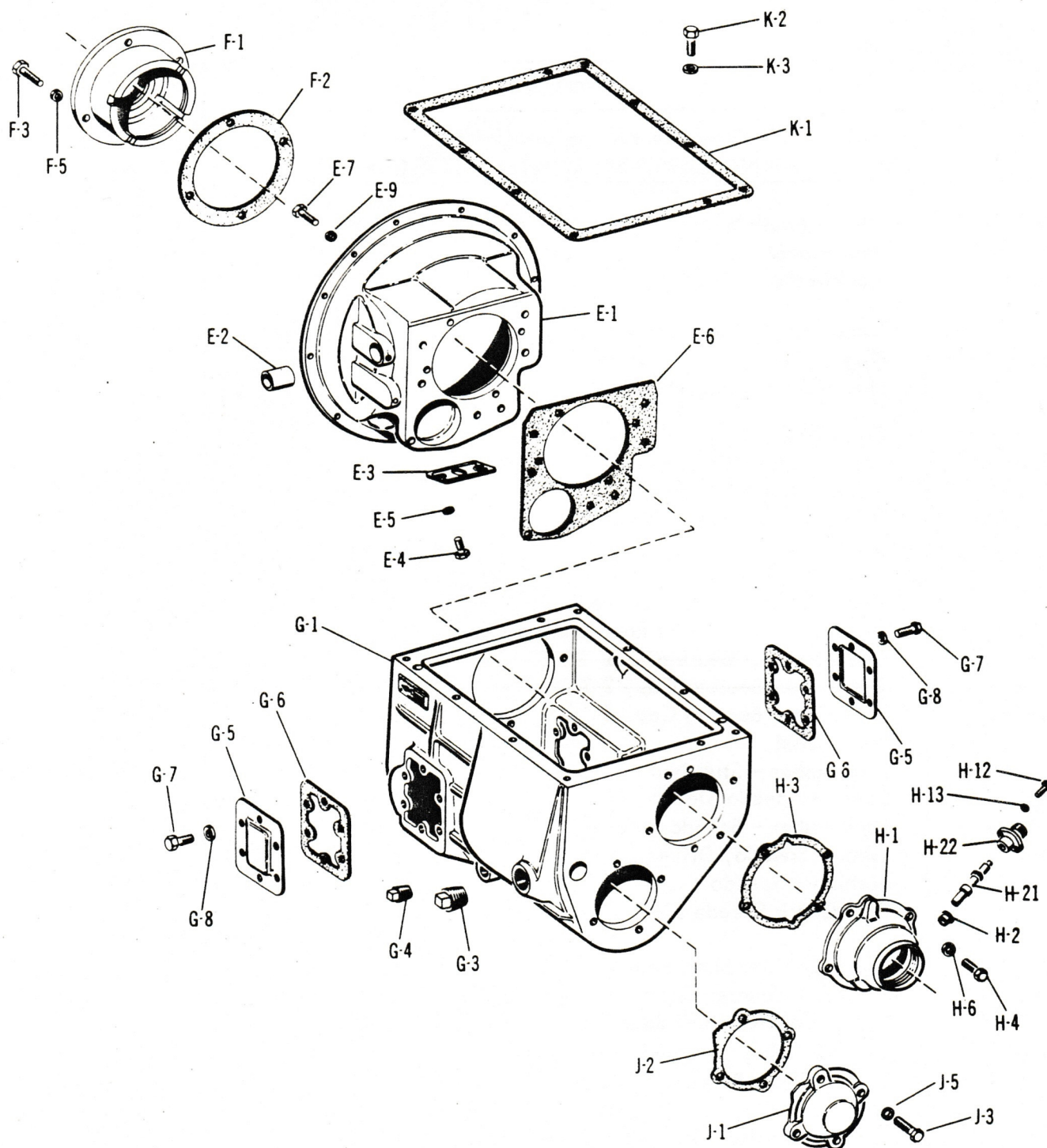


PLATE 13 - 9: CASES, BEARING CAPS & RELATED PARTS
(Model 8245D)

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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 13-9		Model 8245D - Effective Prior to Coach Unit No. 6143 CASES, BEARING CAPS AND RELATED PARTS (Cont'd)	
F-3	13B-2-138	Stud - Front Bearing Cap	4
	13B-2-95	Nut - Stud	4
F-5	13C-2-32	Lockwasher - Stud Nut	4
G-1	13B-2-38	Transmission Case	1
G-4	13B-2-52	Plug - Drain	1
	13C-2-22	Plug - Temp. Indicator Hole	1
G-5	13B-2-77	Cover - Aperture	1
G-6	13B-2-78	Gasket - Aperture Cover	1
G-7	13C-2-28	Screw - Aperture Cover	12
G-8	13C-2-33	Lockwasher - Cover Screw	12
H-1	13B-2-22	Cap - Main Shaft Rear Bearing	1
H-2	13B-5-6	Sleeve - Speedo, Driven Gear	1
	13B-2-90	Oil Seal - Main Shaft Rear Bearing Cap	1
H-3	13B-2-75	Gasket - Rear Bearing Cap	1
H-4	13C-2-7	Stud - Rear Bearing Cap, 2 3/16" lg.	3
H-4	13C-2-8	Stud - Rear Bearing Cap, 3 3/16" lg.	1
	13B-2-95	Nut - Stud	4
H-6	13C-2-33	Lockwasher - Stud Nut	4
H-12	13B-5-7	Screw - Speedo Sleeve	2
H-13	13B-5-8	Lockwasher - Speedo Sleeve	2
H-21	13B-5-5	Gear - Speedo, Driver	1
H-22	13B-5-3	Bushing - Speedo	1
	13B-5-9	Dust Cap - Speedo Sleeve	1
J-1	13B-2-40	Cap - Counter Shaft Rear Bearing	1
J-2	13B-2-76	Gasket - Counter Shaft Rear Bearing Cap	1
J-3	13B-2-141	Stud - Counter Shaft Rear Bearing Cap	4
	13B-2-95	Nut - Bearing Cap Stud	4
	13C-2-33	Lockwasher - Bearing Cap Stud	4
K-1	13C-2-24	Gasket - Shifter Housing to Trans. Case	1
K-2	13B-2-147	Stud - R.H. Rear Corner, Shifter Housing	1
	13B-2-148	Stud - Rear Center, Shifter Housing	1
	13B-2-150	Stud - L.H. & R.H. Center & L.H. Front, Shifter Housing	6
	13B-2-151	Stud - R.H. Front & L.H. Rear, Shifter Housing	2
K-5	13B-2-152	Washer - Shifter Housing Stud	10
	13B-2-153	Nut - Shifter Housing Stud	10



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MODEL MC-5A & MCC-5A			

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 13-17		Model 8844A - Effective Coach Unit No. 6143 <u>GEARS AND RELATED PARTS</u>	
	13C-1-2	Transmission Assembly	1
A-1	13C-2-72	Drive Gear (30T)	1
A-2	13C-2-62	Lock - Drive Gear Bearing	1
A-3	13C-3-5	Bearing - Drive Gear	1
A-5	13C-3-6	Bearing - Drive Gear Pocket	1
B-1	13C-2-41	Main Shaft	1
B-2	13B-2-84	Snap Ring - Main Shaft 3rd & 4th Gear	1
B-3	13C-2-53	Gear - Main Shaft 3rd & 4th	1
B-4	13B-2-115	Collar - Main Shaft 3rd & 4th Gear	1
B-5	13C-2-56	Gear - Main Shaft 3rd (36T)	1
B-6	13B-2-44	Sleeve - Main Shaft 3rd Gear	1
B-7	13B-2-65	Ball - Main Shaft 3rd Gear Sleeve Lock	2
B-8	13C-2-89	Bearing - Main Shaft 3rd Gear	1
B-10	13C-2-55	Gear - Main Shaft 2nd(45T)	1
B-11	13C-2-89	Bearing - Main Shaft 2nd Gear	1
B-13	13C-2-57	Gear - Main Shaft Reverse (45T)	1
B-14	13C-2-54	Gear - Main Shaft 1st	1
B-15	13C-2-90	Bearing - Main Shaft 1st Gear	1
B-18	13B-2-111	Thrust Washer - Main Shaft 1st Gear	1
B-25	13B-3-7	Bearing - Main Shaft Rear	1
B-26	13B-2-48	Spacer - Speedo Gear & Bearing	1
B-27	13C-5-1	Gear - Speedo Drive	1
	13C-5-2	Key - Speedo Drive Gear	1
B-28	13B-8-1	Companion Flange S/A	1
	13B-8-2	Companion Flange Only	1
	13C-8-1	Sleeve - Companion Flange	1
B-29	13B-2-110	Washer - Main Shaft Nut	1
B-30	13C-2-15	Nut - Main Shaft	1
C-1	13C-2-45	Counter Shaft	1
C-2	13C-2-64	Retainer - Counter Shaft Front Bearing	1
C-3	13C-3-2	Cup - Counter Shaft Front Bearing	1

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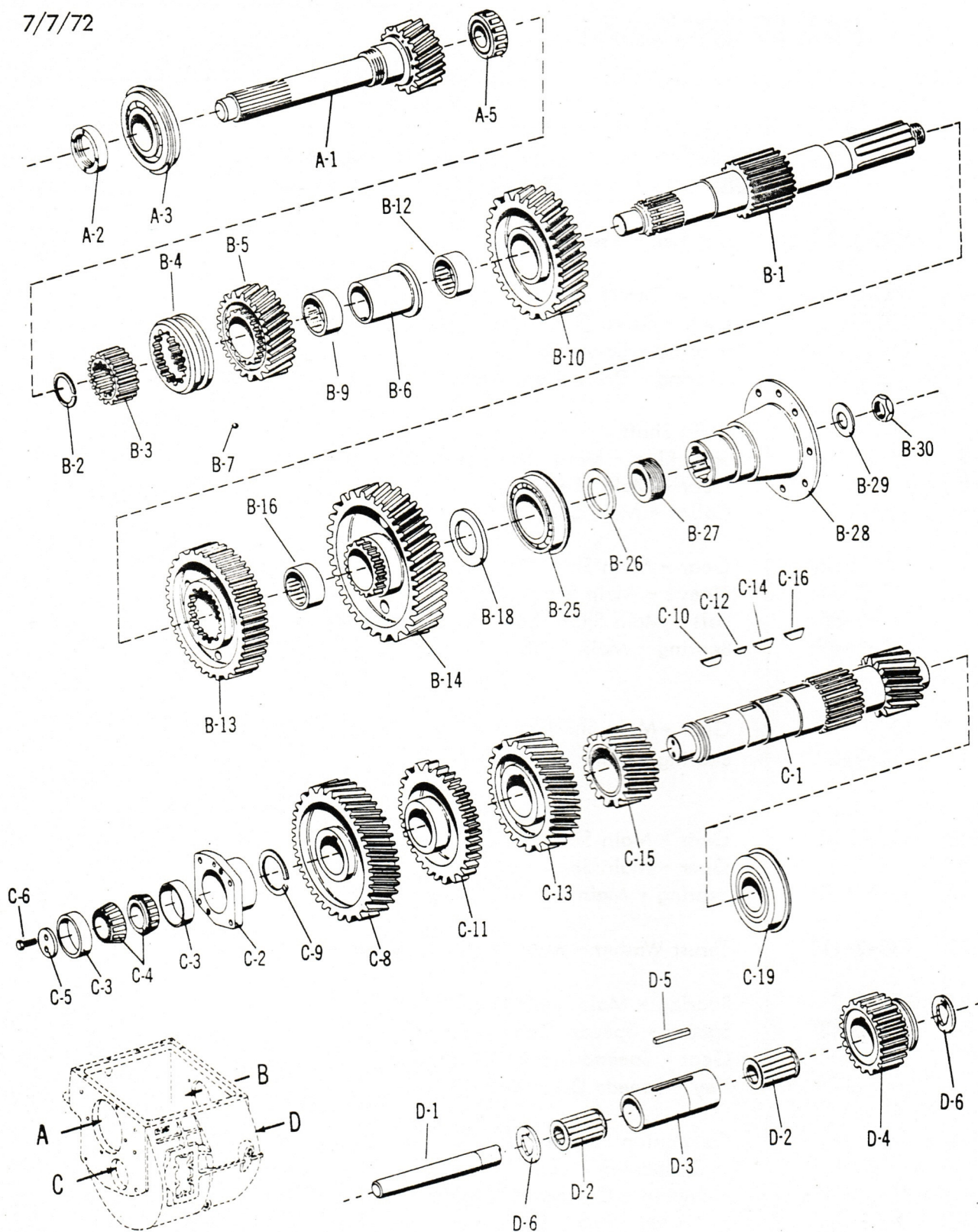


PLATE 13 - 17: GEARS & RELATED PARTS
(Model 8844A)



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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 13-17		Model 8844A - Effective Coach Unit No. 6143 <u>GEARS AND RELATED PARTS (Cont'd)</u>	
C-4	13C-3-3	Cone - Counter Shaft Front Bearing	1
C-5	13C-2-71	Plate - Counter Shaft Front Bearing	1
C-6	13C-2-66	Screw - Counter Shaft Front Bearing Plate	2
C-8	13C-2-50	Gear - Counter Shaft Drive (42T)	1
C-9	13B-2-83	Snap Ring - Counter Shaft Drive Gear	1
C-10	13B-2-36	Key - Counter Shaft Drive Gear	1
C-11	13C-2-58	Gear - P.T.O. (46T)	1
C-12	13C-2-59	Key - P.T.O. Gear	1
C-13	13C-2-52	Gear - Counter Shaft 3rd (37T)	1
C-14	13B-2-36	Key - Counter Shaft 3rd Gear	1
C-15	13C-2-51	Gear - Counter Shaft 2nd (27T)	1
C-16	13B-2-36	Key - Counter Shaft 2nd Gear	1
C-19	13C-3-4	Bearing - Counter Shaft Rear	1
D-1	13B-2-54	Shaft - Reverse Sliding Gear	1
D-2	13B-3-6	Bearing - Reverse Sliding Gear	1
D-3	13B-2-86	Sleeve - Reverse Sliding Gear	1
D-4	13B-2-2	Gear - Reverse Sliding (27T)	1
D-5	13B-2-35	Key - Reverse Sliding Gear	1
D-6	13C-2-20	Thrust Washer - Reverse Sliding Gear	1
Plate 13-18		<u>CASES, BEARING CAPS AND RELATED PARTS</u>	
	13C-2-87	Gasket Set - Transmission	1
E-1	13C-2-37	Housing S/A - Clutch	1
E-2	13C-2-5	Bushing - Clutch Release Shaft	1
E-4	13C-2-23	Cover - Clutch Housing Hand Hole	1
E-6	13B-2-144	Screw - Clutch Housing Hand Hole Cover	2
E-7	13B-2-24	Lockwasher - Clutch Housing Hand Hole Screw	2
E-9	13B-2-140	Stud - Clutch Housing	7
E-10	13B-2-113	Washer - Clutch Housing Stud	7
E-11	13B-2-96	Nut - Clutch Housing Stud	7
F-1	13C-2-38	Cap - Drive Gear Front Bearing	1
F-2	13C-2-73	Sleeve & Oil Seal S/A - Drive Gear Front Bearing Cap	1
F-3	13C-2-47	Gasket - Drive Gear Front Bearing Cap	1
F-4	13C-2-43	Stud - Drive Gear Front Bearing Cap	5
F-6	13C-2-61	Lockwasher - Drive Gear Front Bearing Cap Stud	5
	13C-2-42	Nut - Drive Gear Front Bearing Cap Stud	5

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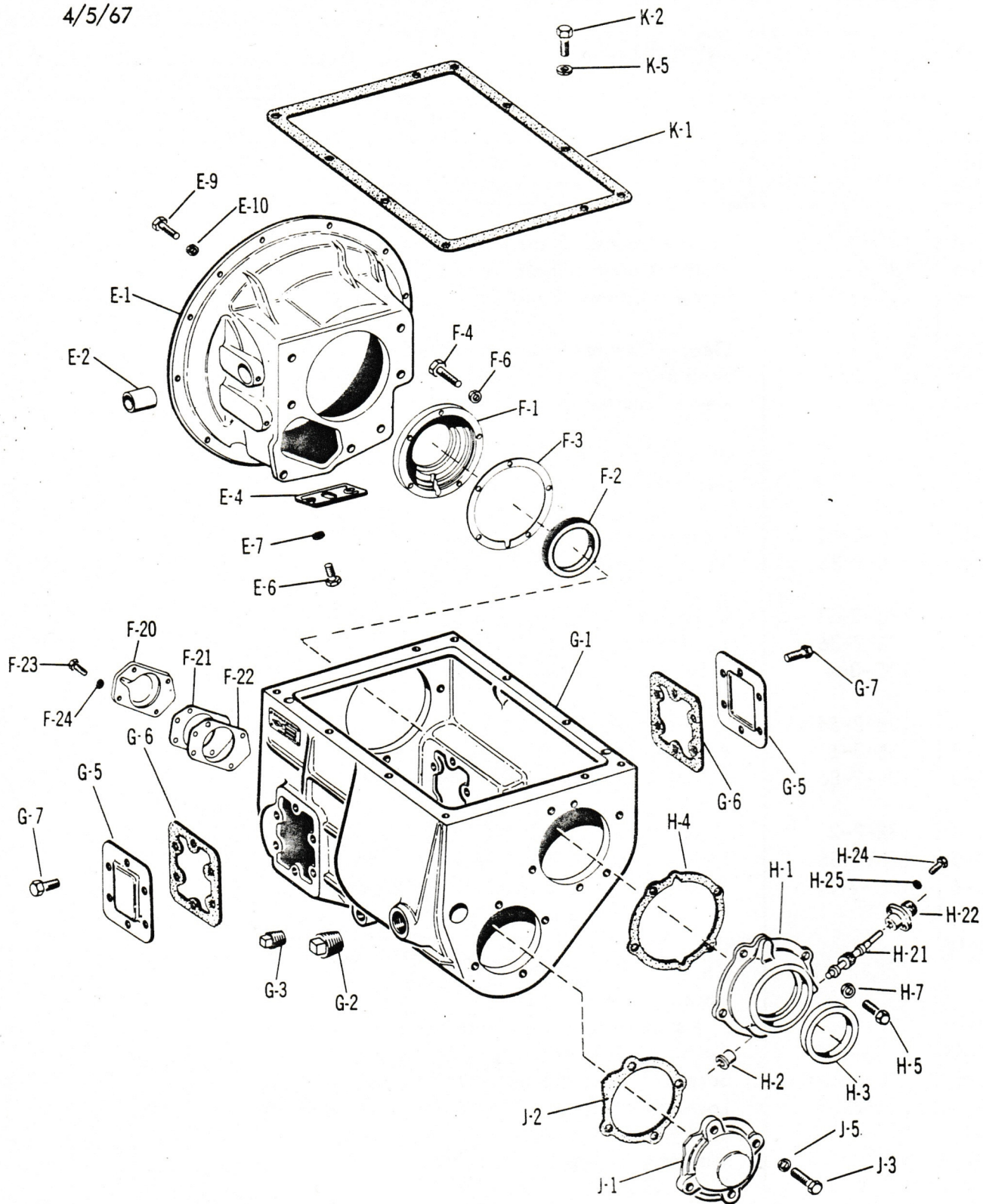


PLATE 13 - 18: CASES, BEARING CAPS & RELATED PARTS
(Model 8844A)



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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 13-18		Model 8844A - Effective Coach Unit No. 6143 CASES, BEARING CAPS AND RELATED PARTS (Cont'd)	
F-20	13C-2-44	Cap - Counter Shaft Front Bearing	1
	13C-2-69	Shim - Counter Shaft Front Bearing Cap	A.R.
F-22	13C-2-46	Gasket - Counter Shaft Front Bearing Cap Retainer	1
F-23	13C-2-65	Screw - Counter Shaft Front Bearing	4
F-24	13C-2-61	Lockwasher - Counter Shaft Front Bearing Cap Screw	4
	13C-2-74	Case S/A - Transmission	1
G-1	13C-2-40	Case Only	1
G-2	13B-2-51	Plug - Filler	1
G-3	13C-2-63	Plug - Magnetic Drain	1
G-4	13C-2-22	Plug - Temperature Indicator	1
G-5	13B-2-77	Cover - P.T.O. Aperture	2
G-6	13C-2-48	Gasket - P.T.O. Aperture Cover	2
G-7	13C-2-67	Screw & Lockwasher S/A - Cover	12
	13C-2-75	Cap S/A - Main Shaft Rear Bearing	1
H-1	13C-2-39	Cap Only	1
H-2	13B-5-3	Bushing - Speedo	1
H-3	13B-2-90	Seal - Oil	1
H-4	13B-2-75	Gasket - Main Shaft Rear Bearing Cap	1
H-5	13C-2-7	Stud - Main Shaft Rear Bearing Cap	1
H-5	13C-2-8	Stud - Main Shaft Rear Bearing Cap	1
H-5	13B-2-142	Stud - Main Shaft Rear Bearing Cap	2
H-7	13C-2-32	Lockwasher - Main Shaft Rear Bearing Cap Stud	4
	13B-2-95	Nut - Main Shaft Rear Bearing Cap Stud	4
H-21	13B-5-5	Gear - Speedo Driven	1
H-22	13B-5-6	Sleeve - Speedo Driven Gear	1
H-23	13B-5-9	Dust Cap - Speedo	1
J-1	13B-2-40	Cap - Counter Shaft Rear Bearing	1
J-2	13B-2-75	Gasket - Counter Shaft Rear Bearing Cap	1
J-3	13B-2-141	Stud - Counter Shaft Rear Bearing Cap	4
J-5	13C-2-32	Lockwasher - Counter Shaft Rear Bearing Cap Stud	4
	13B-2-95	Nut - Counter Shaft Rear Bearing Cap Stud	4
K-1	13C-2-24	Gasket - Shifter Housing to Trans. Case	1
K-2	13B-2-147	Stud - R.H. Rear Corner, Shifter Housing	1
	13B-2-148	Stud - Rear Center, Shifter Housing	1
	13B-2-150	Stud - L.H. & R.H. Center & L.H. Front, Shifter Housing	6
	13B-2-151	Stud - R.H. Front & L.H. Rear, Shifter Housing	2
K-5	13B-2-152	Washer - Shifter Housing Stud	10
	13B-2-153	Nut - Shifter Housing Stud	10

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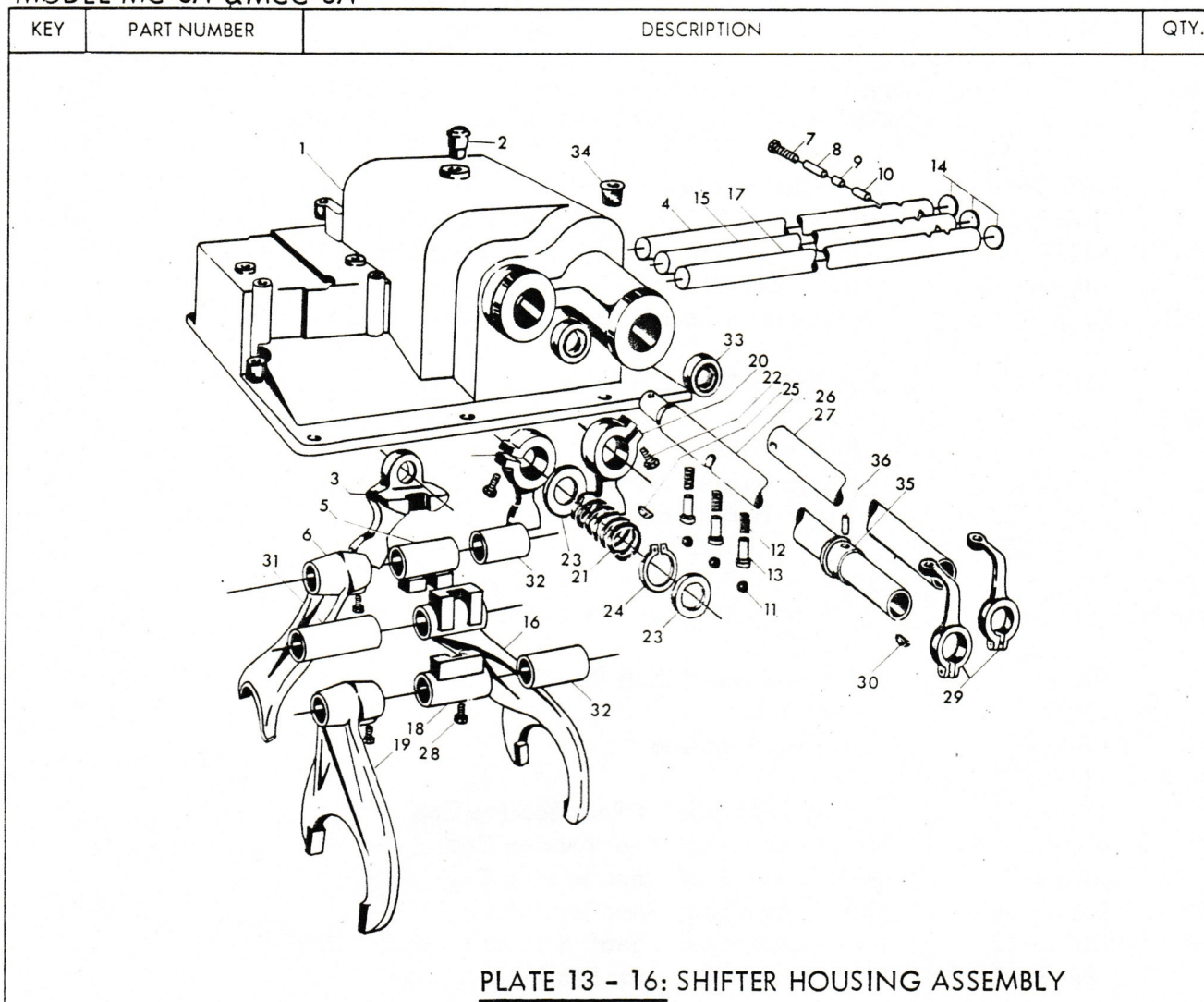


Plate	Part Number	Description	QTY.
13-16		SHIFTER HOUSING AND PARTS	
	13C-2-35	Shifter Housing Assy. - Incl. Shafts, Forks, etc.	1
	13C-2-76	Housing S/A - Transmission Shifter	1
1	13B-2-39	Housing Only	1
	13B-2-41	Bushing - Long	2
	13B-2-42	Bushing - Medium	2
	13B-2-43	Bushing - Short	1
2	13B-2-25	Breather	1
3	13B-2-34	Shift Finger - Reverse	1
	13F-2-1	Stud - Reverse Shift Finger	1
	13F-2-3	Nut - Shift Finger Stud	1
	13F-2-2	Flat Washer - Shift Finger Stud Nut	1
4	13C-2-78	Rod - Reverse Shift	1
	13C-2-77	Ball - Reverse Shift	1
5	13B-2-79	Bracket - Reverse Shift Rod	1
6	13B-2-50	Fork - Reverse Shift	1



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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 13-16		SHIFTER HOUSING AND PARTS (Cont'd)	
7	13B-2-92	Plug - Interlock Hole	1
8	13B-2-154	Interlock - Long	1
9	13B-2-103	Pin - Interlock	1
10	13B-2-155	Interlock - Short	1
11	13B-2-66	Ball - Shift Rod Poppet	3
12	13B-2-63	Spring - Shift Rod Poppet Ball	3
13	13B-2-87	Plunger - Shift Rod Poppet	1
14	13B-2-53	Plug - Shift Rod Holes	3
15	13B-2-60	Rod - 3rd & 4th Shift	1
16	13B-2-57	Fork - 3rd & 4th Shift	1
17	13B-2-61	Rod - 1st & 2nd Shift	1
18	13C-2-25	Bracket - 1st & 2nd Shift Rod	1
19	13B-2-58	Fork - 1st & 2nd Shift	1
20	13B-2-33	Shift Finger - Remote Control	2
21	13B-2-64	Spring - Shift Finger	1
22	13B-2-132	Screw - Shift Finger	2
23	13B-2-91	Thrust Washer - Shift Finger Shaft	2
24	13C-2-26	Snap Ring - Shift Finger Shaft	1
25	13B-2-37	Key - Shift Finger	2
26	13B-2-56	Shaft - 1st, 2nd & Reverse Shift Finger	1
27	13B-2-55	Shaft - 3rd & 4th Shift Finger	1
28	13B-2-93	Screw - Shift Brackets	5
29	13C-2-79	Shift Lever	2
	13C-2-11	Bolt - Shift Lever	2
	13B-2-24	Lockwasher - Shift Lever Bolt	2
30	13B-2-37	Key - Shift Lever	2
31	13B-2-71	Sleeve - 3rd & 4th Shift Rod	1
32	13B-2-73	Sleeve - 1st, 2nd & Reverse Shift Rod	2
	13B-2-122	Insert - Shift Rod, Rear	1
	13B-2-123	Insert - Shift Rod, Front	1
33	13B-2-89	Oil Seal - Shift Finger Shafts	2
34	13B-2-51	Filler Plug	1
35	13C-2-12	Collar - Shifter Shaft	1
36	13C-2-13	Pin - Shifter Shaft Collar	1

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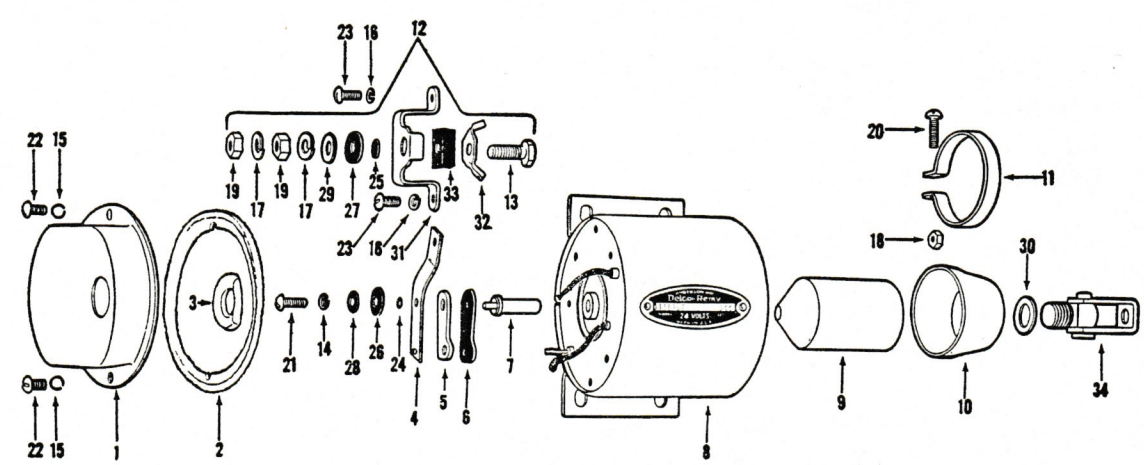
KEY	PART NUMBER	DESCRIPTION	QTY.
			
PLATE 13 - 11: SOLENOID			

Plate
13-11SOLENOID

	13B-4-1	Solenoid - Reverse - Top of Transmission	1
1	13B-4-2	Cover	1
2	13B-4-3	Gasket	1
3	13B-4-4	Gasket	1
4	13B-4-5	Spring Contact	1
5	13B-4-6	Contact - Support	1
6	13B-4-7	Insulator Contact	1
7	13B-4-8	Push Rod	1
8	13B-4-9	Case and Coil	1
9	13B-4-10	Plunger	1
10	13B-4-11	Boot - Plunger	1
11	13B-4-12	Clamp - Boot	1
12	13B-4-13	Bracket - Terminal Includes 17, 19, 29, 27, 25, 23, 16, 31, 33, 32 and 13 Key No's	1
13	13B-4-14	Stud - Terminal	1
14	13B-4-15	Lockwasher - Contact Attaching Screw	1
15	13B-4-15	Lockwasher Cover Screw	2
16	13B-4-15	Lockwasher - Terminal Bracket Attaching Screw	1
17	13B-4-16	Lockwasher Terminal Stud	2
18	13B-4-17	Nut - Boot Clamp Screw	1
19	13B-4-18	Nut - Terminal	2
20	13B-4-19	Screw - Boot Clamp	1
21	13B-4-20	Screw - Contact Attaching	1
22	13B-4-21	Screw Cover Attaching	2
23	13B-4-22	Screw Terminal Bracket Attaching	1



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KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 13-11		<u>SOLENOID (Cont'd)</u>	
24	13B-4-23	Washer Insul. (Bushing) Contact Attaching Screw	1
25	13B-4-24	Washer - Insul. (Bushing) Terminal Stud	1
26	13B-4-25	Washer - Contact Attaching Screw	1
27	13B-4-26	Washer - Terminal Stud	1
28	13B-4-27	Washer Plain Contact Attaching Screw	1
29	13B-4-28	Washer Plain Terminal Stud	1
30	13B-4-29	Washer Adjusting Screw	1
31	13B-4-30	Bracket Terminal	1
33	13B-4-31	Insulator Terminal	1
34	13B-4-32	Link & Screw Assembly	1
	13C-2-88	Stud - Reverse Solenoid Mtg., $\frac{1}{4}$ -20 x 1" lg.	2
	13C-4-1	Bolt - Reverse Solenoid Mtg., $\frac{1}{4}$ -20 x $3\frac{1}{2}$	2

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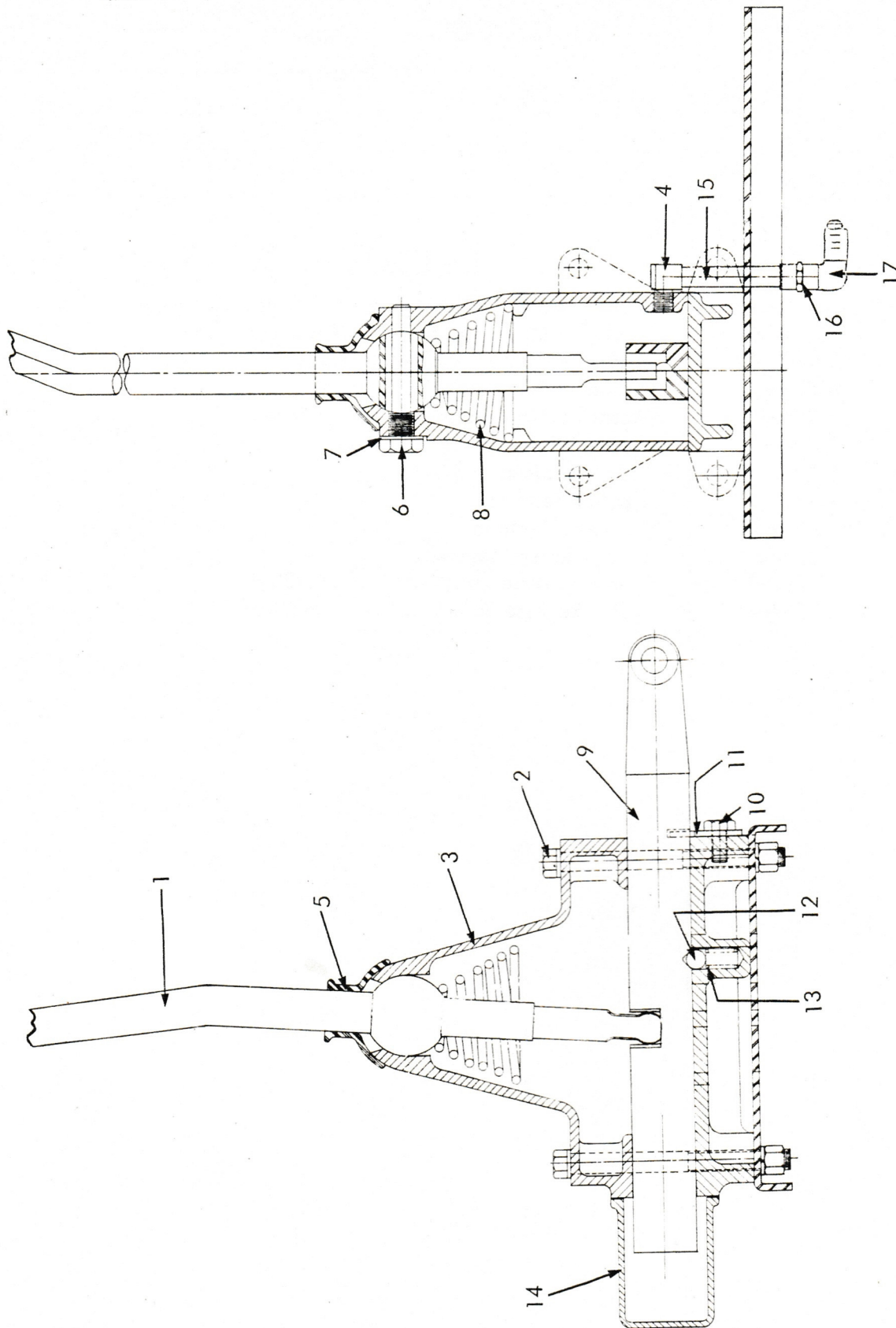


PLATE 13 - 14: REMOTE CONTROL SHIFT LEVER ASSEMBLY



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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
<u>CLUTCH RELEASE PARTS</u>			
	13B-6-5	Shaft - Clutch Release	1
	13B-6-6	Yoke - Clutch Shifter	1
	13B-6-10	Key - Clutch Shifter Yoke to Shaft	2
	13B-6-7	Screw - Clutch Shifter Yoke	2
	13B-6-8	Lockwasher - Clutch Shifter Yoke Screw	2
	13B-6-9	Zerk - Clutch Housing	2
	13A-6-26	Housing and Bearing Assembly - Clutch Release	1
	13A-6-27	Housing Only	1
	13-6-81	Bearing Only	1
	13-6-79	Button - Clutch Release Housing	2
	13-6-80	Spring - Clutch Release Yoke Return	2
Plate 13-14	<u>REMOTE GEAR SHIFT HANDLE</u>		
	13C-7-20	Gear Shift Lever Assembly	1
1	13C-7-30	Lever - Shift (Hand)	1
5	13A-7-41	Cover Grommet - Shift Lever to Housing	1
6	13A-7-42	Shaft - Shift Lever - (Pivot Pin)	1
7	13A-7-43	Lockwasher - Shift Lever - Rocker Shaft	1
8	13A-7-44	Spring Support - Shift Lever	1
2	13A-7-47	Capscrew - Mounting Shift Lever Housing	4
	13A-7-48	Lockwasher - Capscrew	4
14	13A-7-49	Cover - Shift Slide	1
	13A-7-50	Gasket - Shift Slide Cover to Housing	1
	13A-7-51	Capscrew - Shift Slide Cover to Housing	2
	13A-7-52	Lockwasher - Shift Slide Cover to Housing Capscrew	2
	13C-7-28	Slide - Shift - First, Second and Reverse	1
9	13C-7-29	Slide - Shift - Third and Fourth	2
12	13A-7-59	Poppet Ball	2
13	13A-7-60	Spring - Poppet Ball	2
3	13C-7-24	Control Housing	1
11	13C-7-25	Lockplate	1
10	13C-7-27	Capscrew - Lockplate	1
	13A-7-56	Lockwasher - Lockplate, Screw	1
	13A-7-39	Handle - Shift Lever (Ball)	1
4	N.P.N.	Elbow - 3400 X 2	1
15	N.P.N.	Nipple - 3329 X 2	1
16	N.P.N.	Coupling - 3300 X 2	1
17	N.P.N.	Elbow - 169 X 3	1

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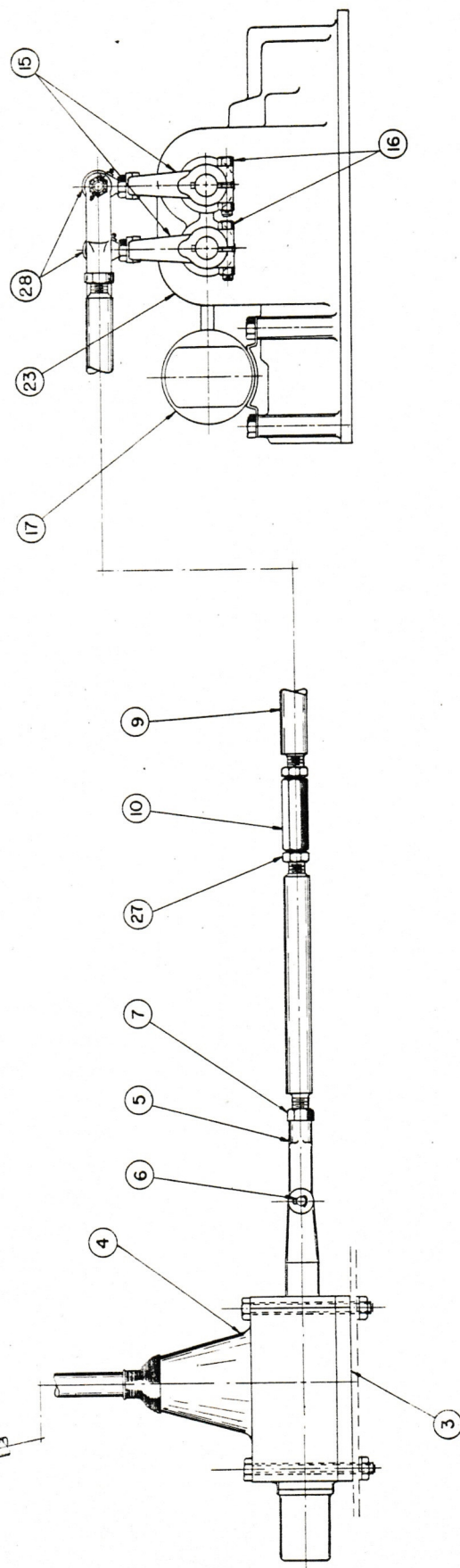
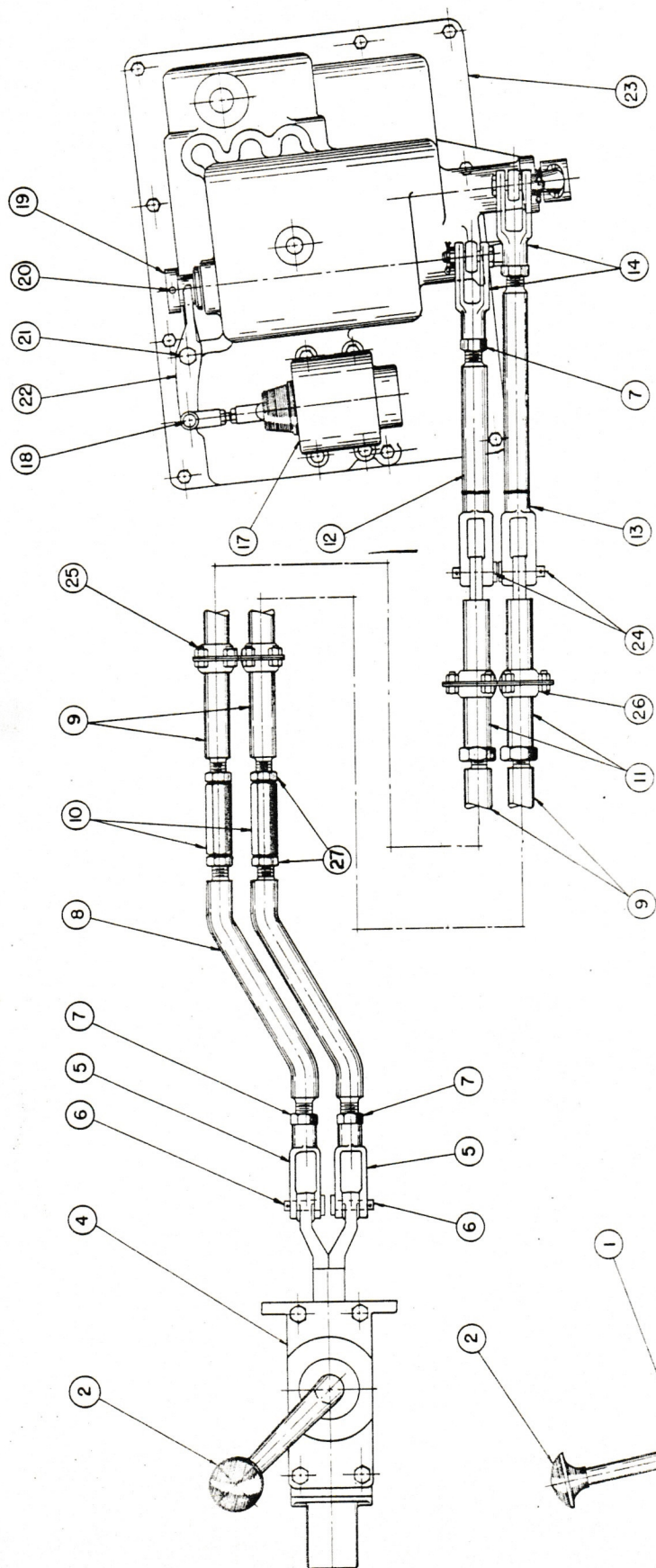


PLATE 13 13 TRANSMISSION LINKAGE



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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 13-13		<u>GEAR SHIFT & LINKAGE</u>	
	13B-7-23	Control Rod Assembly - 3rd and 4th Shift - L.H.	1
5	13B-7-24	Yoke - Front Offset Control Rod	1
6	13B-7-25	Pin - Attach. Yoke to Shifter Arm	1
	N.P.N.	Cotter - For Pin	1
7	N.P.N.	Nut - Jam 1/2" N.F.	1
8	13B-7-26	Rod - Offset - Front	1
10	13C-7-10	Turnbuckle - Control Rod Adjusting	1
27	N.P.N.	Jam Nuts - L.H. & R.H.	2
9	13B-7-33	Control Rod - Long - Center	1
7	N.P.N.	Nut - Jam 1/2"	1
11	13B-7-34	Rod S/A - Linking Center & Rear Control Rods	1
	13B-7-32	Rod Only	1
	13B-7-53	Bearing Only	1
12	13B-7-38	Control Rod - Rear - C/W Yoke - 3rd and 4th	1
24	13B-7-25	Pin - Attach. - Rear Control Rod to Sliding Shaft	1
7	N.P.N.	Nut - Jam 1/2" N.F.	1
28	13C-7-19	Unibal End	1
14	13C-7-18	Yoke - Transmission Linkage	1
15	13B-7-22	Lever - Operating Remote Control	1
16	N.P.N.	Bolt - Clamp Lever - 5/16 N.F. X 1 3/4	1
	N.P.N.	Lockwasher - 5/16	1
	N.P.N.	Nut - Hex. Head 5/16 N.F.	1
	13B-7-31	Control Rod Assembly - 1st and 2nd Shift	1
5	13B-7-24	Yoke - Front Offset Control Rod	1
6	13B-7-25	Pin - Attach. Yoke to Shifter Arm	1
	N.P.N.	Cotter - For Pin	1
7	N.P.N.	Nut - Jam 1/2" N.F.	1
8	13B-7-26	Rod - Offset - Front	1
10	13C-7-10	Turnbuckle - Control Rod Adjusting	2
	N.P.N.	Set Screw - Socket Head - 1/4 X 1/4	2
9	13B-7-33	Control Rod - Long - Center	1
7	N.P.N.	Nut - Jam 1/2" N.F.	1
11	13B-7-34	Rod S/A - Linking Center & Rear Control Rods	1
	13B-7-32	Rod Only	1
	13B-7-53	Bearing Only	1
13	13B-7-37	Control Rod - Rear - C/W Yoke - 1st & 2nd R.H.	1
24	13B-7-25	Pin - Attach. - Rear Control Rod to Sliding Shaft	1
7	N.P.N.	Nut - Jam 1/2" N.F.	1
14	13C-7-18	Clevis - Control Rod	1
28	13C-7-19	Unibal End - Shift Lever	1
15	13B-2-19	Lever - Shifter Shaft	1
16	N.P.N.	Bolt - Clamp Lever - 5/16 N.F. X 1 3/4	1
	N.P.N.	Lockwasher	1
	N.P.N.	Nut - Hex. Head - 5/16 N.F.	1

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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 13-13		<u>GEAR SHIFT & LINKAGE (Cont'd)</u>	
25	13C-7-1	Sliding Bearing Assembly - Control Rods - Front 3/4" I.D.	2
26	13C-7-3	Sliding Bearing Assembly - Control Rods - Rear 1" I.D.	2
		<u>REVERSE SOLENOID LINKAGE</u>	
17	13B-4-1	Solenoid - Reverse - Transmission	1
	13B-7-10	Linkage Assembly - Reverse Solenoid	1
19	13B-7-47	Collar	1
20	13B-7-40	Pin - Collar	1
22	13B-7-52	Fork	1
21	13B-7-51	Bolt - Fork Pivot	1
	13B-7-53	Bushing - Pivot Bolt	1
18	13B-7-12	Pin - Yoke	1
23	13B-2-39	Shifter Housing	1
		<u>TUBE AND DIPSTICK</u>	
	13C-10-1	Dipstick S/A - Trans. Oil Check	
	13C-10-3	Tube S/A - Trans. Filler & Dipstick Check	1
	13C-10-19	Spring Clip - Dipstick Retaining	1
	13C-10-20	Retainer - Spring Clip	1
	3C-15-30	Nameplate - Trans. Check & Refill	1
		<u>TRANSMISSION OIL FILTER ASSEMBLY</u>	
	13C-10-13	Oil Filter Assembly - C/W Housing and Gasket	1
	13C-10-14	Housing - C/W Decal Transfer	1
	13C-10-15	Gasket - Oil Filter Housing	1
	13C-10-16	Plate - Oil Filter Retaining	1
	13C-10-17	Element - Oil Filter	1
	13C-10-18	Gasket - Oil Filter Housing	1

SECTION 14

Propeller Shaft

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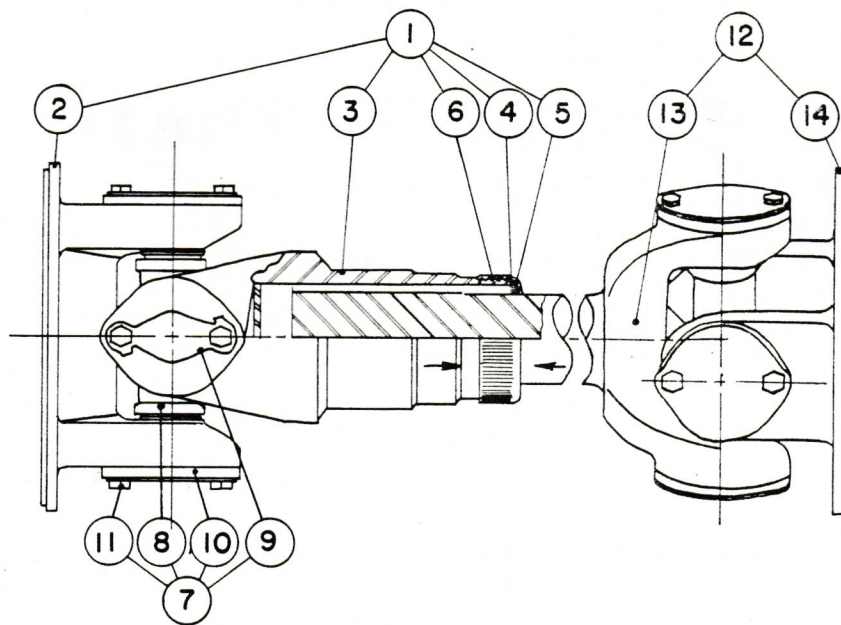


Plate 14-2 Propeller Shaft



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KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 14-2		<u>PROPELLER SHAFT</u> 14.0101	
	14B-1-1	Propeller Shaft Assembly (O.L. 22.815")	1
1	14B-1-2	Joint Set - Transmission End	1
2	14B-1-4	Flange Yoke - Mounting Transmission	1
3	14B-1-9	Sleeve Yoke - Transmission End	1
	14B-1-14	Sleeve Yoke Plug	1
4	14B-1-11	Cork Washer	1
5	14B-1-12	Steel Washer - Retaining Cork Washer	1
6	14B-1-13	Dust Cap - Fasten to Sleeve Yoke (2 7/8 O.D.)	1
	14B-1-10	Zerk Fitting - For Sleeve Yoke	1
7	14B-1-20	Journal & Bearing Kit (1701 & 1708 Joint Sets) (Each Consisting of:)	2
8	14B-1-7	Journal Cross Assembly	1
	14B-1-6	Bearing Assembly	4
9	14B-1-5	Lock Strap - Bearing Capscrews	4
	14B-1-22	Snap Ring	4
10	14B-1-23	Bearing Cap	4
11	14B-1-26	Bearing Capscrews	16
	14B-1-30	Zerk Nipples	1
	14B-1-31	Journal Gasket Retainer	4
	14B-1-32	Journal Gasket	4
	14B-1-33	Journal Relief Valve	1
12	14B-1-3	Joint Set - Rear Axle End	1
14	14B-1-4	Flange Yoke - Mounting Rear Axle	1
13	14B-1-15	Yoke Shaft	1
	14B-1-28	Bolt - 3/8 - 24 x 1 3/16 - Front & Rear Flange	16
	N.P.N.	Nut - 3/8 - 24 Hex. Hd.	16
	N.P.N.	Lockwasher - 3/8 - Flange Bolt	16
	2C-2-16	Guard Assembly - Driveshaft	1
	2C-2-20	U-Bolt - Driveshaft Guard Mounting	1
	N.P.N.	Nut - 3/4 N.F. Hex.	2
	N.P.N.	Lockwasher - 3/4	2

SECTION 15

Wheels, Hubs, Tires

GROUP INDEX

	<u>Group No.</u>
Wheels.....	15.01
Front Hub and Drum Assembly.....	15.02
Rear Hub and Drum Assembly.....	15.03
Dust Shields	15.04



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PARTS MANUAL

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SECTION:	15 - WHEELS		
GROUP:	15.01		
MODEL MC-5A & MCC-5A			

KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>WHEELS</u> 15.0101	
	15C-1-1	Wheel Assy. - 22.5 x 8.25 Tubeless 6 9/16" Offset (Heavy Duty Firestone)	7
	15A-1-1	Wheel Assy. - 20 x 8.00 Machined & Balanced C/W Lock Ring (Kelsey Tube Type)	7
	15A-1-2	Side Ring	7
	15A-1-3	Lock Ring	7
	15A-1-20	Wheel Assy. - 20 x 8.00 Machined & Balanced C/W Lock Ring (Budd Tube Type)	7
	15A-1-21	Wheel	7
	15A-1-22	Lock Ring	7
	15-1-3	Wrench - Wheel	1
	15-1-4	Handle - Wheel Wrench (24")	1
	15-1-5	Handle - Wheel Wrench (30")	1
	15C-1-2	Bar - Wheel Wrench Extension	1
		<u>WHEEL WEIGHTS - TUBELESS TYPE WHEELS</u>	
	15C-1-3	Wheel Balancing Weight - 2 oz.	A.R.
	15C-1-4	Wheel Balancing Weight - 4 oz.	A.R.
	15C-1-5	Wheel Balancing Weight - 6 oz.	A.R.
	15C-1-6	Wheel Balancing Weight - 8 oz.	A.R.
	15C-1-7	Wheel Balancing Weight - 10 oz.	A.R.
	15C-1-8	Wheel Balancing Weight - 12 oz.	A.R.
	15C-1-9	Wheel Balancing Weight - 14 oz.	A.R.
		<u>WHEEL WEIGHTS - TUBE TYPE WHEELS</u>	
	15C-1-10	Wheel Balancing Weight - 2 oz.	A.R.
	15C-1-11	Wheel Balancing Weight - 4 oz.	A.R.
	15C-1-12	Wheel Balancing Weight - 6 oz.	A.R.
	15C-1-13	Wheel Balancing Weight - 8 oz.	A.R.
	15C-1-14	Wheel Balancing Weight - 10 oz.	A.R.
	15C-1-15	Wheel Balancing Weight - 12 oz.	A.R.
	15C-1-16	Wheel Balancing Weight - 14 oz.	A.R.
	15C-1-17	Wheel Balancing Weight - 16 oz.	A.R.

PARTS MANUAL

MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
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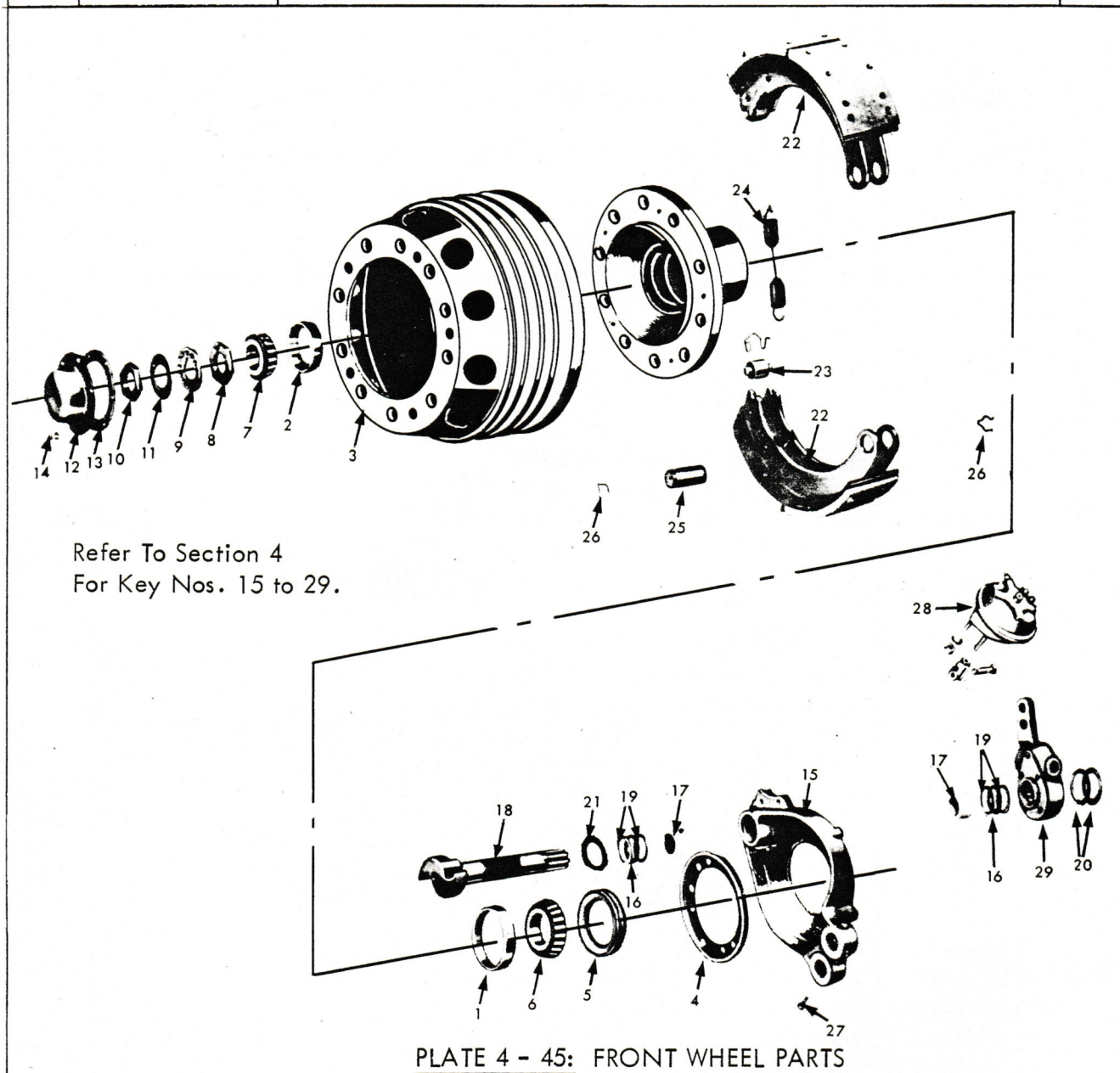


Plate 4-45	<u>HUB & DRUM ASSEMBLY - FRONT</u>		
	15C-2-1	Hub & Drum Assembly - L.H.	1
	15C-2-2	Hub & Drum Assembly - R.H.	1
	15C-2-4	Hub, Cup & Stud Assembly - L.H.	1
	15C-2-5	Hub, Cup & Stud Assembly - R.H.	1
	15C-2-23	Stud - Hub & Wheel - L.H.	10
	15C-2-24	Stud - Hub & Wheel - R.H.	10
1	15C-2-25	Cup - Inner Wheel Bearing	2
		- Outer Wheel Bearing	2



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PARTS MANUAL

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SECTION	15 - WHEELS		
GROUP	15.02		
MODEL MC-5A & MCC-5A			

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 4-45		<u>HUB & DRUM ASSEMBLY - FRONT (Cont'd)</u>	
3	15C-2-37	Brake Drum - L.H. and R.H.	2
	15-3-26	Screw - Hub & Drum - L.H. and R.H.	10
	15C-2-7	Nut - Hub & Wheel Stud - L.H. & R.H. Inner	20
	15C-2-8	Washer - Hub & Wheel Stud Nut - L.H. and R.H. Inner	20
4	15C-2-9	Oil Slinger - Wheel Bearing - L.H. and R.H.	2
	15C-2-10	Spacer - Wheel Bearing - L.H. and R.H.	2
5	15C-2-11	Oil Seal Assembly - Wheel Bearing - L.H. and R.H. (Grease Type)	2
5	15C-2-30	Oil Seal Assembly - Wheel Bearing (Oil Type)	2
	15C-2-12	Washer - Wheel Bearing Oil Seal - L.H. and R.H.	2
6	15C-2-13	Cone - Wheel Bearing Inner - L.H. and R.H.	2
7	15C-2-14	Cone - Wheel Bearing Outer - L.H. and R.H.	2
8	15C-2-15	Nut & Dowel Assembly - Wheel Bearing	2
	15C-2-28	Dowel - Wheel Bearing Adjusting Nut	2
9	15C-2-16	Lock Ring - Wheel Bearing Adjusting Nut	2
10	15C-2-17	Jam Nut - Wheel Bearing Adjusting Nut	2
11	15C-2-18	Lock - Wheel Bearing Adjusting Nut Jam Nut	2
12	15C-2-19	Hub Cap - L.H. and R.H. (Grease Type)	2
12	15C-2-31	Hub Cap - L.H. & R.H. (Oil Type)	2
	15C-2-10	Spacer - Wheel Bearing (Oil Type)	2
13	15C-2-20	Gasket - Hub Cap - L.H. and R.H. (Grease Type)	2
14	15C-2-21	Cap Screw - Hub Caps	12
	15C-2-22	Lockwasher - Hub Cap Capscrew	12
	15C-2-26	Nut - Retaining Front Wheel - Outer R.H.	10
	15C-2-27	Nut - Retaining Front Wheel - Outer L.H.	10





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GROUP:	15.03		

MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 15-3		<u>HUB & DRUM ASSEMBLY - REAR</u> 15.0301	
	15C-3-1	Hub & Drum Assembly - L.H.	1
	15C-3-2	Hub & Drum Assembly - R.H.	1
10	15C-3-4	Hub, Cup & Stud Assembly - L.H.	1
10	15C-3-5	Hub, Cup & Stud Assembly - R.H.	1
4	15C-3-21	Stud - Hub & Axle Shaft L.H. and R.H.	20
21	15C-3-22	Stud - Hub & Wheel - L.H.	10
20	15C-3-24	Cup - Inner Wheel Bearing - L.H. and R.H.	2
9	15-3-112	Cup - Outer Wheel Bearing - L.H. and R.H.	2
13	15C-3-6	Brake Drum - L.H. and R.H.	2
14	15C-3-7	Oil Slinger - Brake Drum - L.H. and R.H.	2
12	15-3-26	Screw - Brake Drum and Hub	10
3	15C-3-8	Nut - Hub & Drum Stud	20
24	15C-3-9	Washer - Hub & Drum Stud	20
2		NOTE: See Group 2.03 for Axle Shaft	
16	15C-3-10	Oil Seal and Retainer Assembly - Inner (Grease Type)	2
15	15C-3-25	Oil Seal Assembly (Grease Type)	2
	15C-3-26	Washer - Oil Seal Assembly (Grease Type)	2
1	15C-3-11	Oil Seal Assembly - Outer - Wheel Bearing (Grease Type)	2
	15A-3-33	Wiper Assembly - Outer - Wheel Bearing Oil Seal (Grease Type)	2
17	15C-3-12	Wiper - Inner - Wheel Bearing Oil Seal	2
25	15C-3-13	Retainer Screw - Wheel Bearing Oil Seal	12
	15C-3-14	Washer - Shakeproof - Wheel Bearing Oil Seal Retainer	12
19	15C-3-15	Gasket - Wheel Bearing Oil Seal Retainer	2
18	15C-3-16	Cone - Wheel Bearing Inner	2
8	15C-3-17	Cone - Wheel Bearing Outer	2
	2C-2-2	Adjusting Nut and Dowel Assembly - Wheel Bearing	2
7	2B-2-12	Nut - Wheel Bearing Adjusting	2
6	15C-3-18	Washer - Wheel Bearing	2
5	15B-3-13	Nut - Wheel Bearing Outer	2
	15C-3-19	Kit - Oil Seal and Wiper Assembly - Outer	2
	15C-3-11	Retainer and Seal Assembly	2
	15A-3-33	Wiper Assembly	2
	15C-3-20	Gasket	4
23	15C-3-27	Nut - Rear R.H. Inner Wheel to Hub	10
23	15C-3-28	Nut - Rear L.H. Inner Wheel to Hub	10
22	15C-2-26	Nut - Rear R.H. Outer Wheel to Hub	10
22	15C-2-27	Nut - Rear L.H. Outer Wheel to Hub	10
	15C-3-33	Oil Seal Assembly - Wheel Bearing (Oil Type)	2
	15C-3-34	Oil Seal Only (Oil Type)	2
	15C-3-35	Retainer Only (Oil Type Seals)	2

PARTS MANUAL

MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
OPTIONAL EQUIPMENT			
<u>DUSTSHIELDS - FRONT & REAR</u>			
	15C-4-2	Dust Shield Assembly - R.H. Front - Complete - Consists of:	1
	15C-4-23	Dust Shield S/A - R.H. - Front of Front Section	1
	15C-4-25	Dust Shield S/A - R.H. - Rear of Front Section	1
	15C-4-20	Ring - Closing R.H. - Front Dust Shield	1
	15C-4-11	Z Angle - Mounting R.H. - Front Dust Shield Assy.	1
	15C-4-1	Dust Shield Assembly - L.H. Front - Complete - Consists of:	1
	15C-4-28	Dust Shield S/A - L.H. - Front of Front Section	1
	15C-4-29	Dust Shield S/A - L.H. - Rear of Front Section	1
	15C-4-20	Ring - Closing L.H. - Front Dust Shield	1
	15C-4-11	Z Angle - Mounting L.H. - Front Dust Shield Assy.	1
	15C-4-13	Dust Shield Assembly - R.H. Rear - Complete - Consists of:	1
	15C-4-30	Dust Shield S/A - R.H. - Front of Rear Section	1
	15C-4-32	Dust Shield S/A - R.H. - Rear of Rear Section	1
	15C-4-21	Ring - Closing R.H. - Rear Dust Shield	1
	15C-4-40	Cap - Closing R.H. - Rear of Rear Section	1
	15C-4-39	Cap - Closing R.H. - Front of Rear Section	1
	15C-4-12	Dust Shield Assembly - L.H. Rear Complete - Consists of:	1
	15C-4-37	Dust Shield S/A - L.H. - Rear of Rear Section	1
	15C-4-35	Dust Shield S/A - L.H. - Front of Rear Section	1
	15C-4-21	Ring - Closing L.H. - Rear Dust Shields	1
	15C-4-41	Cap - Closing L.H. - Front of Rear Section	1
	15C-4-42	Cap - Closing L.H. - Rear of Rear Section	1
<u>MISCELLANEOUS FASTENERS</u>			
	N.P.N.	Screw - #8 - 32 x 1/2 Phillips Truss Hd. Cad. Plated	12
	N.P.N.	Drive Screw - #4 x 1/4 Type U-Cad. Pl.	16
	N.P.N.	Capscrew - 5/16 - 18 x 3/4 Hex. Hd. Cad. Plated	18
	N.P.N.	Washer - 7/16 Flat - Between Adapter and Rear Dust Shield	4
	N.P.N.	Washer - 5/16 Flat - Front (Cad. Plated)	2
	N.P.N.	Nut - 5/16 - 18 Hex. - Front	2
	N.P.N.	Adapter - (W 3200 x 2) Rear Anchor Pin	4

SECTION 16

Heating & Air Conditioning

GROUP INDEX

STANDARD & AIR CONDITIONED COACHES

	<u>Group No.</u>
Air Filter	16.01
Heater Water Valve	16.07
Heater Fan, Motor & Ducts	16.08
Miscellaneous Valves, Switches, Heat & A/C Control Components	16.10
Lines & Fittings	16.11
Heating & Air Conditioning Compartments	16.12

AIR CONDITIONED COACHES ONLY

	<u>Group No.</u>
Compressor	16.02
Compressor Drive	16.03
Condenser	16.04
Receiver	16.05
Evaporator	16.06
Evaporator Fan & Motor (See Heater Fan, Motor & Ducts)	16.08
Condenser Fan & Motor	16.09

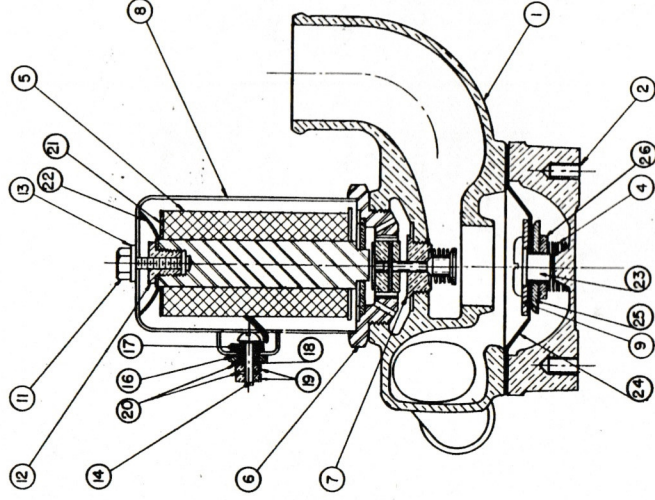
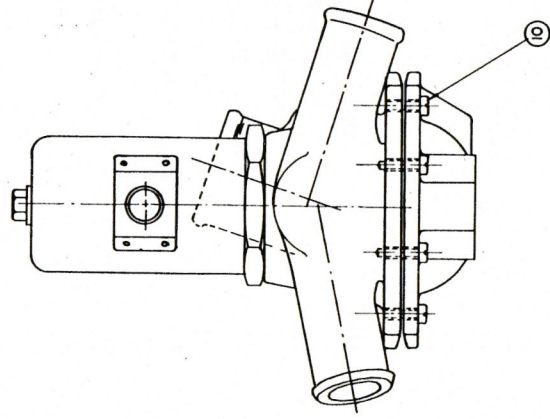


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GROUP:	16.01/.07		

KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>AIR FILTER CENTRAL HEATING</u> 16.0101	
	16C-1-17	Air Filter Frame S/A - Complete	1
	16C-1-16	Spring - Flat - Filter Element Retaining	1
	16C-1-13	Lock - Air Filter - Front	2
	16C-1-15	Air Filter Element	1
		<u>CENTRAL HEATING CORE AND MOUNTINGS</u> 16.0701	
	16C-7-19	Central Heating Core Assembly - Complete	1
	16B-7-27	Frame S/A - For Mounting Central Heating Core	1
	16C-11-34	Hose L.H. & R.H. Upper Heater Core Lines & L.H. Lower - (1 3/4" I.D. x 5" Long)	3
	16C-11-33	Tubing - Brass - L.H. Vertical - Heater Core Lines	1
	N.P.N.	Clamps - For Hose Attaching - M.S. 32 - Breeze	6
	6A-1-113	Rubber Mountings - Mounting Heater Core	4
	N.P.N.	Bolt - 3/8" N.F. x 1 3/4" Long - Cadmium Plated	4
	N.P.N.	Nut - 3/8" N.F.	4
	N.P.N.	Flat Washer - 3/8"	8
	N.P.N.	Lockwasher - 3/8"	4
	N.P.N.	Screw - #10 x 1/2 Truss Head	16
	16C-7-24	Pad - Under Central Heating Core - L.H. and R.H.	2
	16C-7-25	Angle - Rubber Pad Mounting	2
	N.P.N.	Pop Rivet - Tap D-13S-635	4





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GROUP:	16.07		

KEY	PART NUMBER	DESCRIPTION	QTY.
		- Effective Prior to Coach Serial # 5365	
Plate 16-17		<u>MAIN HEATER WATER VALVE</u> 16.0702	
	16C-7-1	Heater Water Valve Assembly - C/W Solenoid	1
1	16C-7-2	Body & Elbow Assembly	1
2	16B-7-11	Plate - Bottom	1
4	16B-7-13	Spring - Diaphragm Valve Disc.	1
5	16B-7-14	Coil	1
6	16B-7-15	Ring Assembly - Flex	1
7	16B-7-16	Seat Assembly - Valve	1
8	16C-7-3	Cover Assembly	1
10	N.P.N.	Screw - #10 - 24 x 1/2" Long Fill. Head Machine	8
11	N.P.N.	Capscrew - 1/4 - 20 x 1/2" Long Hex. Head	1
12	16B-7-7	Nut - Terminal	1
13	16C-7-5	Lockwasher - Internal Tooth	1
14	N.P.N.	Screw - #8 - 32 x 3/4 Long Round Head	1
	16C-7-6	Pin	1
16	16C-7-7	Washer - Insulator	1
17	16C-7-8	Bushing - Insulator	1
18	16C-7-9	Washer	1
19	N.P.N.	Nut - Hex. #8 - 32	2
20	16C-7-10	Lockwasher - Internal Tooth	4
21	16C-7-11	Washer - Insulating	1
22	16C-7-12	Cup - Washer	1
	16C-7-4	Disc. Assembly - Diaphragm Valve	1
23	16C-7-13	Screw - Valve Disc.	1
9	16C-7-14	Disc. - Valve	1
24	16B-7-38	Diaphragm	1
26	16B-7-36	Locknut	1
25	16C-7-17	Washer - Diaphragm	1
25	16C-7-17	Washer - Diaphragm	1
	16C-7-18	Retainer - Diaphragm - Under Disc.	1
	5B-5-55	Mounting Bracket - Heater Water Valve - Also Clutch Cross Shaft.	1
	16C-7-24	Pad - Under Centre Left Heat Core L.H. & R.H.	2
	16C-7-25	Angle - Rubber Pad Mounting	2

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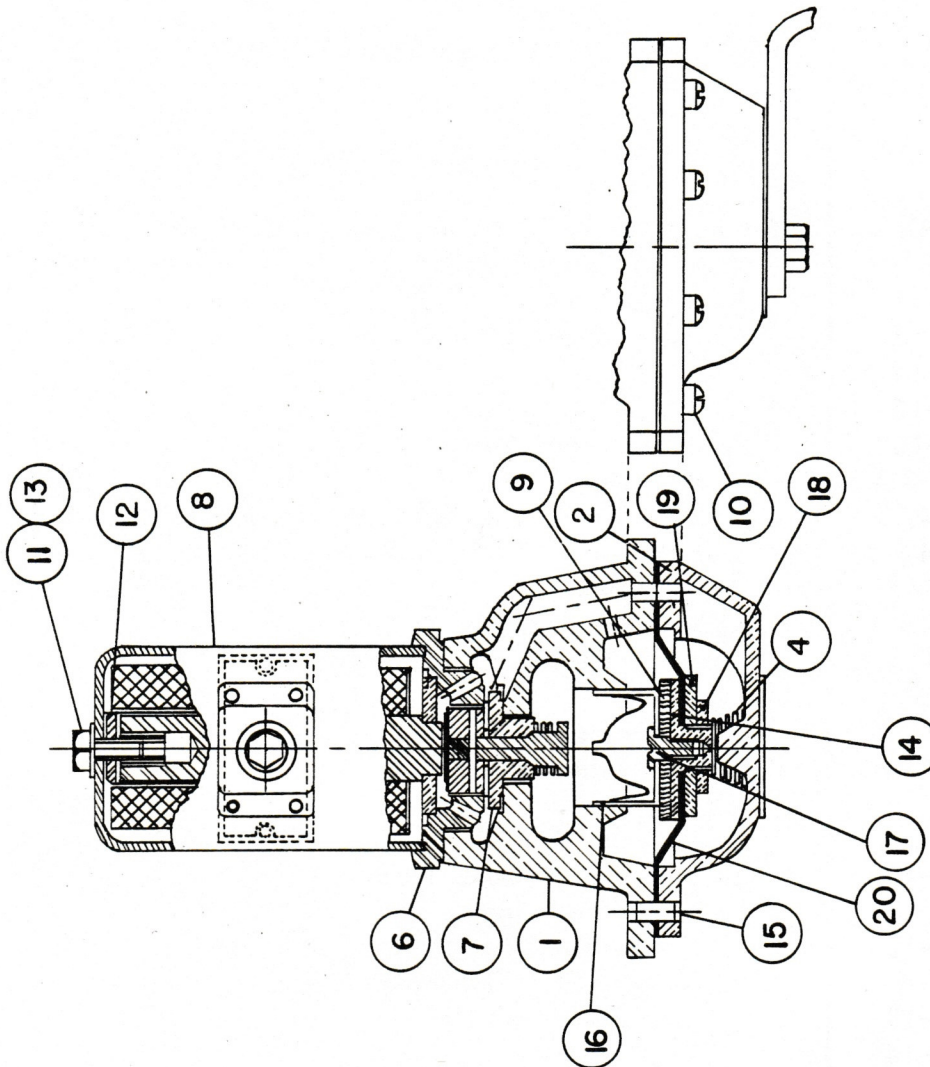


PLATE 16 - 23: MAIN HEATER WATER VALVE



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MODEL MC-5A & MCC-5A			

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 16-23		<u>MAIN WATER VALVE</u> (Effective Serial No. 5365 to Unit No. 6000)	
	16C-7-29	Main Electric Heater Water Valve Assembly	1
1	16C-7-2	Body & Elbow Assembly	1
2	16B-7-11	Plate - Bottom	1
4	16B-7-13	Spring - Diaphragm Valve Disc	1
6	16B-7-15	Ring Assembly - Flux	1
7	16B-7-16	Seat Assembly - Valve	1
8	16C-7-30	Cover & Coil Assembly	1
	16C-7-31	Disc Assembly - Diaphragm Valve	1
16	16C-7-32	Modulator - Flow	1
17	16C-7-33	Screw - Valve Disc	1
9	16C-7-34	Disc - Valve	1
	16C-7-35	Retainer - Valve Disc	1
20	16C-7-36	Diaphragm	1
19	16C-7-37	Washer - Diaphragm	1
18	16C-7-38	Lock Nut	1
10	N.P.N.	Screw - Fill. Hd. Machine	8
11	N.P.N.	Screw - Hex. Hd. Cap	1
12	16B-7-7	Nut - Terminal	1
13	16C-7-5	Lockwasher - Int. Tooth	1
15	16C-7-6	Pin	1

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SECTION

16 - AIR CONDITIONING

GROUP

16.07

MODEL MC-5A & MCC-5A

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KEY	PART NUMBER	DESCRIPTION	QTY.
PLATE 16 - 28: MAIN WATER VALVE			

Plate	MAIN WATER VALVE		
16-28	(Effective Unit No. 6001)		
	16C-7-41	Valve Assy.	1
1	16C-7-30	Coil & Container Assy.	1
2	16B-7-15	Ring Assy. - Flux	1
3	16B-7-16	Seat Assy. - Valve	1
	16F-7-1	Needle	1
	16F-7-2	Spring	1
	16F-7-3	Seat Ring	1
	16F-7-4	Armature Assy.	1
	16F-7-5	Pin	1
	16C-7-31	Disc Assy. - Diaphragm Valve	1
4	16C-7-32	Modulator - Flow	1
5	16C-7-33	Screw - Valve Disc	1
6	16C-7-34	Disc - Valve	1
7	16C-7-35	Retainer - Valve Disc	1
8	16C-7-36	Diaphragm	1
9	16C-7-37	Washer - Diaphragm	1
10	16C-7-38	Lock Nut	1
11	16C-7-41	Bottom Assy. - Upper	1



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MODEL MC-5A & MCC-5A			

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 16-28		<u>MAIN WATER VALVE (Cont'd)</u>	
12	16B-7-11	Plate - Bottom	1
13	16B-7-13	Spring - Conical	1
14	16C-7-6	Pin - Dowel	1
15	N.P.N.	Screw - Fill. Hd. Mach. # 10 - 24 x 1/2	8
16	16C-7-5	Lockwasher - # 1214 Int. Tooth	1
17	N.P.N.	Screw - Hex. Hd. Mach. 1/4 - 20 x 1/2	1
18	16C-7-40	Stud	2

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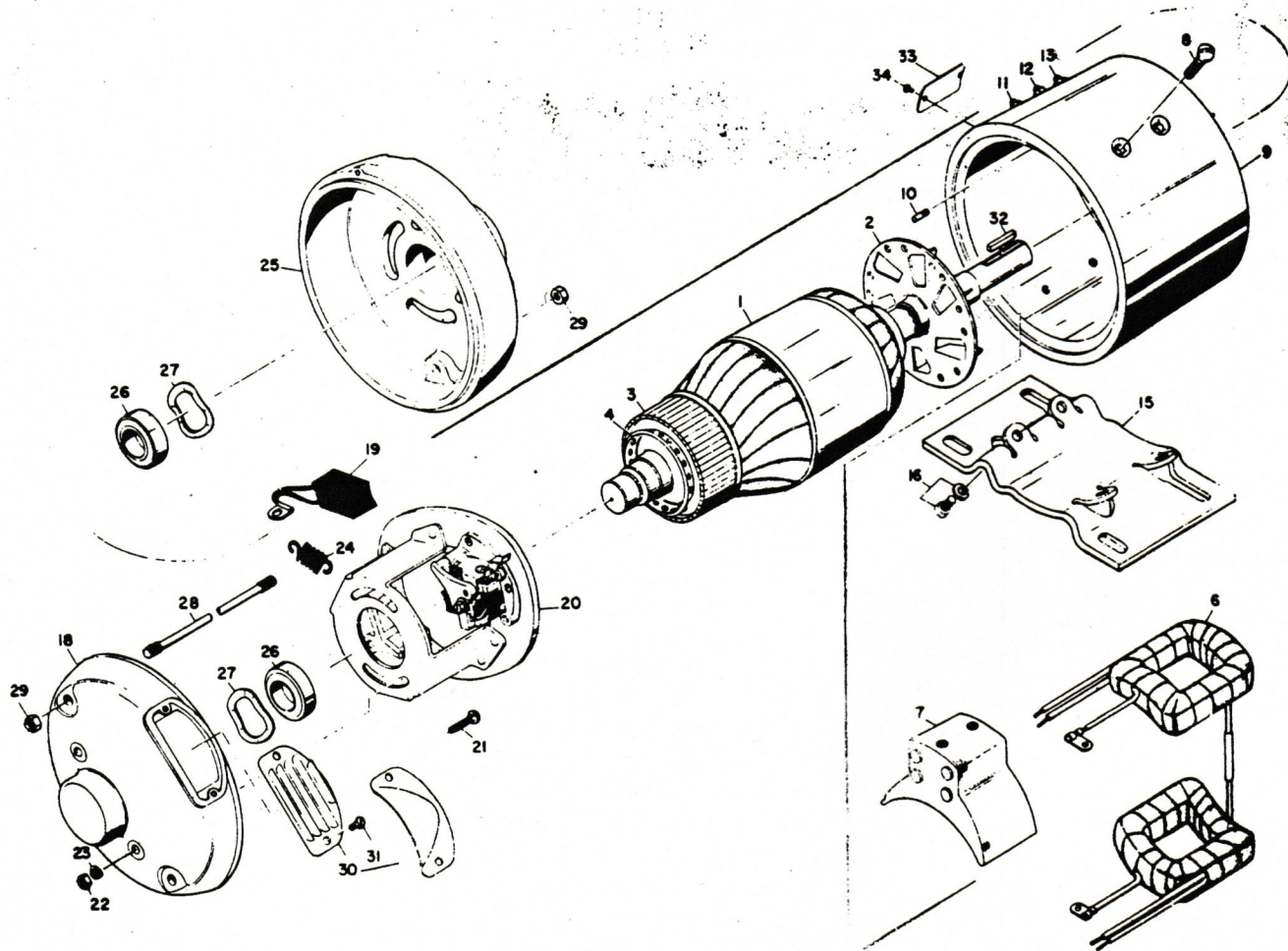


PLATE 16 - 19 - HEATER MOTOR (1 H.P.)



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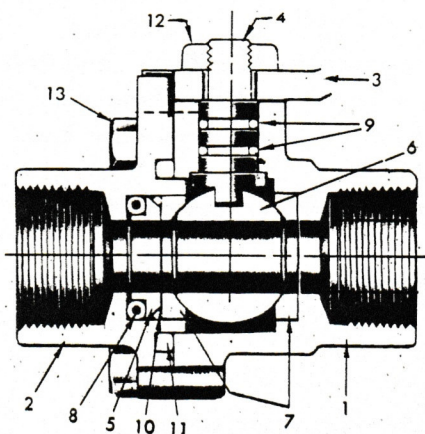
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GROUP:	16.08		
MODEL MC-5A & MCC-5A			

KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>HEATER MOTOR, FANS & DUCTS</u> 16.0801	
	16B-8-3	Fans, Motor & Base Assembly - Complete	1
	16B-8-18	Blower Housing Only	2
	16B-8-20	Inlet Ring - Blower Housing	4
	16C-8-7	Blower Wheel - (Specify C.W. or C.C.W.)	2
	16B-8-80	Base - Blower Housing Mounting & Motor Base Mounting-Large	1
Plate	16B-8-82	Base - Motor Mounting - Small - Mounting on Large Base	1
16-19	16B-8-4	Motor Assy., Heater & Evaporator - 1 H.P. Model C-971A1	1
1	16B-8-5	Armature Assy.	1
2	16B-8-6	Fan	1
3	16B-8-7	Commutator	1
4	16A-8-78	Balancing Disc	1
5	16B-8-8	Frame & Coil Assy.	1
6	16C-8-30	Coil Assy.	1
7	16A-8-82	Pole Piece Assy.	2
8	16A-8-83	Screw - Pole Piece Retaining	4
9	16C-8-31	Frame	1
10	16A-8-85	Pin-End Frame Aligning	2
11	16B-8-12	Terminal Stud - 3/8 - 16	1
12	16A-8-87	Terminal Stud - 5/16 - 18	1
13	16C-8-32	Terminal Stud - 1/4 - 20	1
14	16C-8-33	Insulator Board	1
15	16A-8-95	Base	1
16	16A-8-96	Screw & Lockwasher	4
17	16C-8-34	End Frame & Brush Bracket Assy.	1
18	16C-8-35	End Frame	1
19	16C-8-36	Brush Assy.	2
20	16B-8-13	Brush Bracket Assy.	1
21	16C-8-37	Screw - Brush Bracket Retaining	2
22	16A-8-102	Nut - Brush Bracket Retaining	2
23	16A-8-111	Lockwasher - Brush Bracket Retaining	2
	16C-8-38	Washer - Brush Bracket Retaining	2
	16C-8-39	Screw & Lockwasher - Brush Lead Retaining	2
	16A-8-106	Washer - Brush Lead Retaining	2
25	16C-8-40	End Frame - Opposite Commutator End	1
26	16C-8-41	Ball Bearing	2
27	16A-8-109	Spring Washer - Ball Bearing	2
28	16B-8-14	Thru Bolt	2
29	16A-8-113	Nut - Thru Bolt	4
	16C-8-42	Oil Seal	2
	16C-8-43	Plug - Oiler Assy.	2
	16C-8-44	Oiler Assy.	2
30	16A-8-114	Cover Plate - Commutator End	2
31	16C-8-45	Screw - Cover Plate Attaching	4
2		Key	2

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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 16-19		<u>HEATER MOTOR, FANS & DUCTS (Cont'd)</u> 16.0802	
33	16A-8-117	Nameplate	1
34	16A-8-118	Screw - Nameplate Retaining	2
		<u>AIR DUCTS</u>	
	16B-8-25	Air Duct Assembly - Inner - L.H.	1
	16B-8-56	Air Duct Cover Assembly - Outer - L.H.	1
	16B-8-70	Elbow S/A - Lower Inner Air Duct	1
	16B-8-1	Baffle Plate - L.H. - Duct Under Floor	1
	16B-8-44	Air Duct Assembly - Inner - R.H.	1
	16B-8-62	Air Duct Cover Assembly - Outer - R.H.	1
Plate 16-26	16B-8-2	Baffle Plate - R.H. - Duct Under Floor	1
		<u>DRIVER'S HEATER SHUT-OFF VALVE</u> 16.1001	
	16C-10-46	Valve S/A - Driver's Heater	1
1	16C-10-69	Body Only	1
2	16C-10-70	Cap	1
4	17B-5-127	Stem	1
5	16C-10-71	Disc	1
6	16C-10-72	Ball	1
7	16C-10-73	Seat	2
8	16C-10-74	Spring	1
9	17B-5-132	"O" Ring - Stem Seal	2
10	16C-10-75	"O" Ring - Seat Seal	1
11	16C-10-76	"O" Ring - Joint Seal	1
12	17B-5-135	Jam Nut	1
13	17B-5-136	Screw - Hex. Hd. Machine	4
14	16C-10-77	Lockwasher - Int. Tooth	1
3	16C-10-47	Stem S/A - For Valve Handle	1
	16C-11-57	Extension S/A - Inlet & Outlet	2
	16C-10-43	Handle - Valve Control	1
	16C-10-45	Angle - Valve Mtg.	2



16-26: DRIVER'S HEATER SHUT-OFF VALVE



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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
		* Effective Prior to Coach Unit No.5757	
		<u>HEATING & AIR CONDITIONING ELECTRICAL CONTROLS</u>	
	7B-13-33	Circuit Breaker - 60 Amp. - 1 H.P. Motor Reset	1
	7B-13-34	Circuit Breaker - 105 Amp. - 2 H.P. Motor Reset	1
	16B-10-36	Relay - Heat Control Box	1
	16B-10-33	Sensing Unit - Coach Temperature	1
*	16A-10-164	Sensing Unit - Evaporator	1
*	16C-10-1	Clip - Sensing Unit Mtg.	1
	16A-10-60	Rheostat - Central Heating	1
	7C-5-17	Magnetic Switch - Condenser & Evaporator Motors	2
	7A-8-118	Switch - Air Conditioning /Heating	1
	16B-10-22	Switch - Hi-Lo Pressure	1
	16B-10-24	Bracket - Mtg. Hi-Lo Pressure Switch	1
	16C-10-28	Switch - A/C High Pressure Safety	1
	16B-10-34	Solenoid Valve Assy. - Freon Compressor	2
	16B-10-35	Coil - 24 Volt	1
	16B-10-30	Enclosing Tube	1
	16B-10-31	Gasket	1
	16C-10-58	Bracket - Solenoid Valve Mtg.	1
	16B-10-18	Dry-Eye Indicator	1
	16B-10-19	Dryer	1
	16B-10-27	Clamp & Bracket - Dryer Mtg.	1
	7B-8-35	Rheostat - Driver's Heater & Defroster	2
	16B-10-52	Light Assy. - A/C Warning	1
	16C-10-38	Nameplate - Fresh Air Recirculation	1
	16C-10-39	Nameplate - Driver's Heater Control Valve	1
	16C-10-40	Nameplate - Heating & Air Conditioning R.H.	1
	16C-10-41	Nameplate - Driver's Heater & Defroster Fan	1
	16C-10-44	Nameplate - Heating & Air Conditioning L.H.	1

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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
		* Effective Prior to Coach Unit No. 6001	
		** Effective With Coach Unit No. 6001	
		<u>LINES AND FITTINGS</u>	
	16C-11-64	Hose S/A - Unloader Solenoid to Compressor	2
	16C-11-65	Hose S/A - Scavenge Solenoid Inlet to Hi Pressure Switch and Scavenge Solenoid Outlet to Compressor	2
	16C-11-6	Hose S/A - Compressor to Lo Pressure Switch and Compressor to Scavenge Solenoid	2
	16C-2-51	Adapter - Oil Inlet Line on Compressor	1
	N.P.N.	Elbow - 49 x 4A	4
	N.P.N.	Reducer Bushing - 3224 x 2 - Scavenge Solenoid Inlet	1
	N.P.N.	Restrictor Jet - 22R - 57 - 46 Holley - Scavenge Solenoid Inlet	1
	4C-20-101	Tee - 45 X 4 Male Branch - Scavenge Solenoid Inlet	1
	16C-11-5	Hose S/A - A/C Compressor Pressure	1
	16C-11-3	Hose S/A - A/C Compressor Suction	1
	16C-11-35	Tube & Bracket S/A - A/C Pressure and Return Line - Rear of Rear Bogie	1
	16B-11-27	Hose S/A - A/C Condenser Intake	1
	16B-11-29	Hose S/A - A/C Condenser Outlet	1
	16B-11-52	Tube - Expansion Valve Feed	1
	16C-10-29	Hose - High Pressure Safety Switch	1
	16B-11-51	Tube - Receiver Tank Outlet	1
	16C-11-40	Tube & Bracket S/A - Hose to Evaporator	1
	16C-11-42	Tube & Bracket S/A - Hose to Condenser	1
*	16C-8-29	Tube S/A - Central Heat Return - Rear	1
**	16C-11-66	Tube S/A - Central Heat Return - Rear	1
*	16C-11-27	Tube S/A - C/W Valve & Fitting - C.H. Return	1
**	16C-11-72	Tube S/A - C/W Valve & Fitting - C.H. Return	1
*	6B-8-14	Tube & Fitting S/A - L.H. - C.H. Line on Engine	1
**	6C-8-63	Tube & Fitting S/A - L.H. - C.H. Line on Engine	1
*	6B-8-18	Tube & Fitting S/A - R.H. - C.H. Line on Engine	1
**	6C-8-61	Tube & Fitting S/A - R.H. - C.H. Line on Engine	1



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MODEL MC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
		CENTRAL HEAT COMPARTMENT OR A/C COMPARTMENT 16.1201	
	16C-12-3	Drain Pan S/A - Complete Central Heat	1
	16C-12-4	Drain Pan S/A - Spotwelded central heat	1
	16C-12-5	Panel - Drain Pan Central Heat Lower	1
	16C-12-6	Panel - Drain Pan Central Heat Upper	1
	16B-12-19	Hat Channel - Front - Core Mounting	1
	16B-12-20	Hat Channel - Rear - Motor Mounting and Fan Mounting	1
	16C-12-9	A/C Blower S/A - Air Discharge Opening - Spotwelded	1
		DRAIN ASSEMBLY - A/C COMPARTMENT FLOOR	
	16A-12-114	Water Drain Housing Assembly - A/C Compt. - Incl. Boot	3
	16A-12-115	Upper Cover - Boot Attaching	3
	16A-12-116	Housing S/A - Water Drain	3
	16A-12-120	Boot - Water Passage	3
	16C-12-18	Casting - Spacer - Large for Floor Corrugations	2
	16C-12-19	Casting - Spacer - Small for Floor Corrugations	16
	16B-12-27	Wall Assembly - R.H. Vertical	1
	16B-12-29	Wall Assembly - L.H. Vertical	1
	16C-12-26	Inspection Door Assembly - A/C Compartment Wall	1
	16B-12-1	Cover Panel Assembly - Lower Curved Section - A/C Compt.	1
	16B-12-9	Door Assembly - Upper C/W Hinge - A/C Compartment	1
	16B-12-89	Cup & Dzus Fastener S/A - Compartment Door	2
	16F-12-13	Grill Assy. - A/C Blower Air Dump	2
	16F-12-14	Deflector S/A - Rear	1
	16F-12-18	Deflector S/A - Center	1
	16F-12-27	Deflector S/A - Front	1
	16F-12-20	Strip - Tying L.H. & R.H. Angles	2
	16F-12-21	Bar - Adjusting Air Deflector	1

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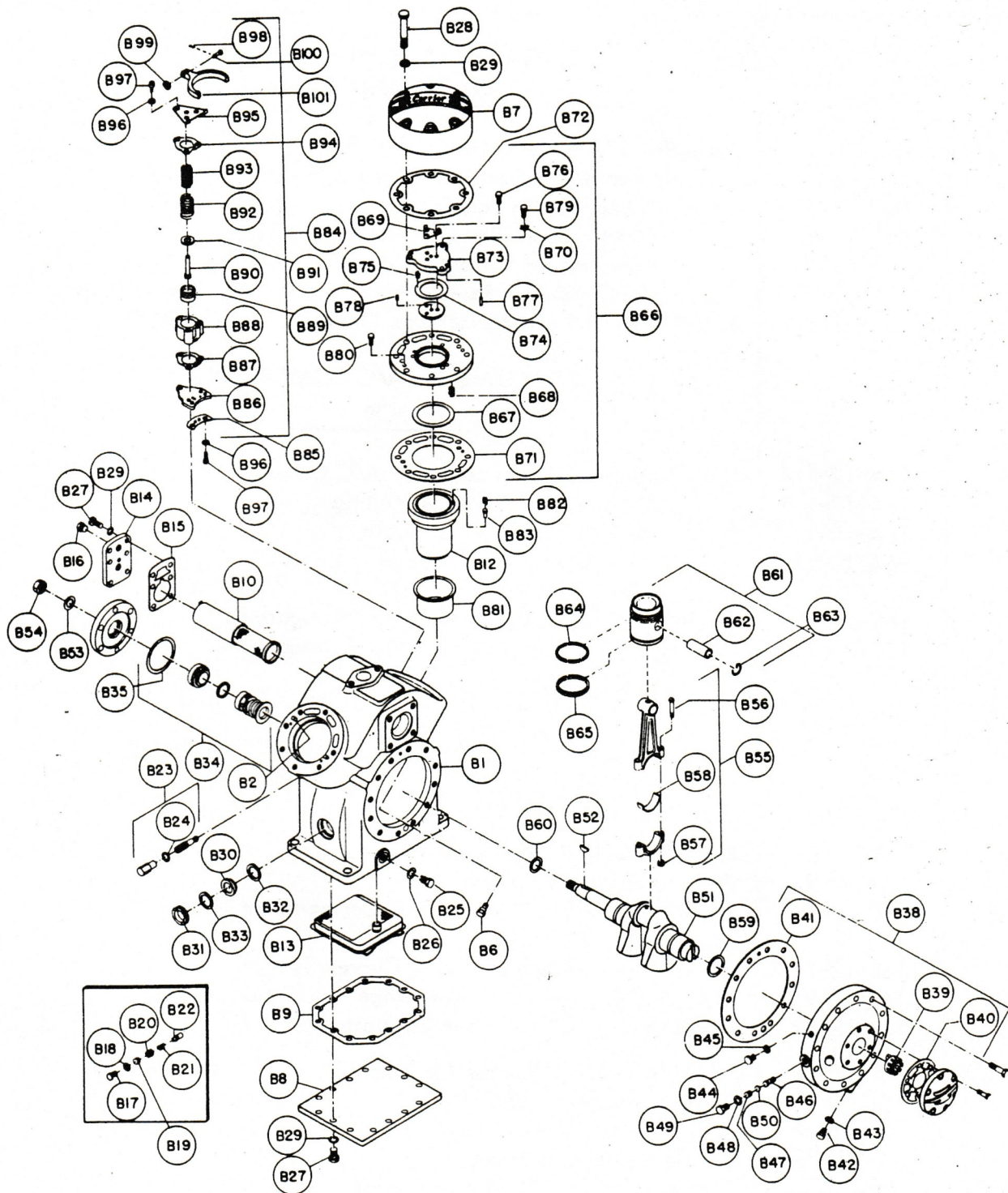


PLATE 16 - 20 - A/C COMPRESSOR



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MODEL MC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 16-20		<u>COMPRESSOR ASSEMBLY - A/C</u> 16.0201	
B1	16C-2-18	Compressor Assembly - A/C - Complete	1
	16C-2-19	Crankcase & Tube Assembly - Drilled for Unloaders (less unloaders)	1
B2	16C-2-20	Seal End - Main Bearing	1
	16C-2-21	Dowel Pin - (Valve Plate)	4
	16C-2-22	Unloader Oil Supply Tube Assembly	1
	16C-2-23	Ferrule - Tube 3/16"	3
	16C-2-24	Washer - Everlock 7/16"	2
	16C-2-25	Pin - Headed Groove	1
	16A-2-125	Plug - Magnetic 5/8 - 18	1
	16A-2-156	Gasket - Capscrew - 5/8	2
	16C-2-26	Insert - Heli Coil - 3/8 - 16 x 3/4	48
	16C-2-27	Insert - Heli Coil - 1/2 - 13 x 3/4	10
	16A-2-134	Insert - Heli Coil - 3/8 - 16 x 9/16	6
B6	16A-2-121	Check Valve - Oil Return	1
B7	16A-2-113	Head - Cylinder	2
B8	16C-2-28	Plate - Bottom	1
B9	16C-2-29	Gasket - Bottom Plate	1
B10	16C-2-30	Strainer Assembly - Suction	1
B12	16A-2-37	Sleeves - Cylinder with Holes (Use in place of sleeves without unloader pin holes)	2
B13	16A-2-139	Screen Assembly - Oil Filter	1
B14	16C-2-31	Cover - Manifold	1
B15	16C-2-32	Gasket - Manifold Cover	1
B16	16C-2-33	Plug - Hex. Head Pipe 1/4" (Manifold Cover)	2
	16C-2-17	Gasket Set - Service Replacement	1
		<u>ADJUSTABLE OIL BY-PASS PARTS</u>	
B17	16C-2-34	Plug - Oil By-Pass	1
B18	16A-2-77	Gasket - Oil By-Pass	1
B19	16C-2-35	Screw - Lock Oil By-Pass 5/8" - 18 x 5/16	1
B20	16C-2-36	Screw - Adjusting - Oil By-Pass	1
B21	16C-2-37	Spring - Oil By-Pass	1
B22	16C-2-38	Valve - Oil By-Pass	1
B23	16B-2-37	Valve Package - Non-Adj. Oil Regulating	1
B24	16B-2-40	Gasket - Reg. Valve	1
B25	16A-2-125	Plug - Magnetic 5/8 - 18 (Oil Drain)	1
B26	16A-2-77	Gasket - Magnetic Plug 5/8"	1
B27	16A-2-161	Capscrew - 3/8" - 16 x 1 1/4" (Bottom Plate, Manifold Cover)	14
B28	16A-2-115	Capscrew - 3/8 - 16 x 3 1/4" (Cylinder Head)	16
B29	16A-2-114	Gasket - Capscrew 3/8" (Bottom Plate, Manifold Cover, Cylinder Head)	48

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MODEL MC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 16-20		ADJUSTABLE OIL BY-PASS PARTS (Cont'd) 16.0202	
B30	16A-2-150	Sight Glass	1
B31	16A-2-151	Gland - Sight Glass	1
B32	16A-2-152	Gasket - Sight Glass - Inner	1
B33	16A-2-153	Gasket - Sight Glass - Outer	1
	16C-2-91	Valve - Discharge Shut-off 7/8" O.D.F.	1
	16C-2-40	Gasket - Discharge Shut-off Valve	1
	16C-2-41	Valve - Suction Shut-off 1 1/8" O.D.F.	1
	16C-2-42	Gasket - Suction Shut-off Valve	1
		SEAL END GROUP 16.0203	
B34	16C-2-100	Shaft Seal Package	1
B35	16A-2-160	Gasket - Cover Plate	1
	16A-2-159	Carbon Ring	1
	16C-2-106	Seal Assy.	1
	16C-2-90	Cover Plate - Shaft Seal	1
	16A-2-178	Capscrew - Shaft Seal Cover - 3/8" - 16 x 1 1/4"	6
		PUMP END GROUP	
*B38	16A-2-72	Bearing Head and Oil Pump Assembly - Exchanges available for compressors with unloaders	1
		NOTE: Bearing Heads above include following parts:	
B39	16A-2-74	Oil Pump Package (Matched Parts)	1
B40	16A-2-75	Gasket - Oil Pump Cover	1
B41	16C-2-45	Gasket - Pump End Bearing Head	1
	16C-2-46	Bushing - Oil Pump	1
	16C-2-47	Bearing - Main - Pump End	1
B42	16A-2-78	Plug - Magnetic 5/8" - 18	1
B43	16A-2-77	Gasket - Magnetic Plug 5/8"	1
B44	16C-2-48	Plug - Oil By-Pass	1
		NOTE: * - Available with .010 & .020 undersize bearings on special order.	



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KEY	PART NUMBER	DESCRIPTION	QTY.
Plate		<u>PUMP END GROUP (Cont'd)</u>	16.0203
16-20			
B45	16A-2-77	Gasket - Oil By-pass Plug 5/8"	1
B46	16C-2-49	Strainer - Control	1
B47	16C-2-50	Screw - Hollow Lock	1
B48	16A-2-86	Gasket - Capscrew 1/4"	1
B49	16C-2-51	Adapter - Modulating Valve	1
B50	16B-2-46	Disc - Orifice	1
	16B-2-45	Capscrew - Hex. Head 3/8" - 16 x 1 3/4" (Pump End Head to Crankcase)	12
	16C-2-53	Gasket - Capscrew 3/8"	12
	16A-2-80	Capscrew - Hex. Head 1/4" - 28 x 3/4" (O.P. Cover to P.E. Bearing Head)	6
	16A-2-86	Gasket - Capscrew 1/4"	7
	16C-2-51	Adapter Fitting - Solenoid Valve Line	
		<u>CRANKSHAFT & PISTON GROUP</u>	
B51	16C-2-54	Crankshaft	1
B52	16A-2-69	Woodruff Key #13 3/16" x 1" (Crankshaft)	1
B53	16A-2-163	Washer - Plate 3/4"	1
B54	16A-2-70	Nut - Lock 3/4" - 16	1
	16B-2-48	Connecting Rod Set - Exchanges available	2
B55	16C-2-56	Connecting Rod Assembly	2
B56	16C-2-57	Connecting Rod Bolt	2
B57	16C-2-58	Nut - Connecting Rod 5/16" - 24	2
*B58	16A-2-58	Bearing Half - Connecting Rod	2
	16M-2-14	Bushing - Wrist Pin	1
	16C-2-59	Connecting Rod Bearing Package - Standard (A) Consists of 4 16A-2-58 Brg. Halves	1
	16C-2-60	Connecting Rod Bearing Package - .010 Undersize (B) Consists of 4 16A-2-190 Brg. Halves	1
	16C-2-61	Connecting Rod Bearing Package - .020 Undersize (C) Consists of 4 16A-2-197 Brg. Halves	1
B59	16A-2-52	Washer - Pump End Bearing - Bronze	2
B60	16A-2-53	Washer - Seal End Thrust - Steel	1
	16A-2-124	Groove Pin - Thrust Washer - Dowel Pin	2
B61	16A-2-60	Piston and Pin Assembly	2
B62	16A-2-61	Pin - Piston	1
B63	16A-2-62	Lock Ring - Piston Pin	2
	16B-2-49	Piston Ring Package	1
	16A-2-66	Compressor Ring	8
	16A-2-67	Oil Ring	8
NOTE: * - Sold only in pkgs. of 4 half bearings			

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KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 16-20		UNDERSIZE CRANKSHAFT & BEARING GROUP 16.0204	
*	16C-2-63	Crankshaft & Bearing Package - .010 Undersize	1
	16C-2-64	Crankshaft	1
	16A-2-190	Bearing - Conn. Rod	4
	16C-2-65	Main Bearing - Seal End	1
	16C-2-66	Main Bearing - Pump End	1
		NOTE: * - .010 Undersize identified by "A" stamped on crankshaft	
		VALVE PLATE GROUP	
B66	16A-2-88	Valve Plate Package - Includes Discharge Valve Guide Assy. and following items:	2
B67	16A-2-90	Disc - Suction Valve	1
B68	16A-2-91	Spring - Suction Valve	6
	16C-2-67	Valve Plate & Inner Valve Pkg. - Includes Valve Plate, Inner Seat and following parts:	1
B69	16A-2-95	Lock Plate - Seal	2
	16A-2-96	Clip - Suction Valve Retainer (For assembling only)	2
B70	16A-2-97	Washer - Guide Lock	3
B71	16C-2-68	Gasket - Valve Plate	1
B72	16C-2-69	Gasket - Cylinder Head	1
B73	16C-2-70	Valve Guide - Discharge	1
B74	16C-2-71	Disc - Discharge Valve	1
B75	16A-2-102	Spring - Discharge Valve	6
B76	16A-2-106	Capscrew - (Lock Plate to Guide) 1/4" - 28 x 1"	3
B77	16A-2-104	Dowel Pin - Guide 3/16" x 3/4"	2
B78	16A-2-105	Dowel Pin - Guide 1/4" x 1/2"	1
B79	16A-2-106	Capscrew - Guide to Plate 1/4" - 28 x 1"	3
B80	16A-2-108	Capscrew - Valve Plate to Crankcase 1/4 - 28 x 7/8	4
		NOTE: Replacement alone not recommended	
		UNLOADER GROUP	
B81	16A-2-110	Sleeve - Unloader	2
B82	16C-2-72	Spring - Valve Lifter	12
B83	16B-2-51	Pin - Valve Lifter	12
B84*	16A-2-13	Unloader Power Element Assembly - Exchange Available	2
		* Supplied with 2 Springs. Remove 2" Spring if not required.	



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KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 16-20		* Effective Prior to Coach Unit No. 5501 ** Effective With Coach Unit No. 5501	
		<u>UNLOADER GROUP (Cont'd)</u> 16.0205	
		<u>NOTE: 16A-2-12 and 13 include the following parts:</u>	
B85	16C-2-74	Gasket - Unloader Bracket	1
B86	16A-2-17	Bracket - Unloader Cylinder	1
B87	16A-2-18	Gasket Unloader Cylinder - Bottom	1
B88	16A-2-19	Cylinder - Unloader	1
B89	16A-2-20	Piston - Unloader	1
B90	16A-2-21	Piston Rod - Unloader	1
B91	16A-2-22	Washer - Unloader Spring Retaining	1
B92	16A-2-23	Spring - Unloader (Used in 16A-2-13) - 2" Long	1
B93	16A-2-24	Spring - Unloader (Used in 16A-2-12 & 13) - 1 13/16" Long	1
B94	16A-2-25	Gasket - Unloader Cylinder - Top	1
B95	16A-2-26	Plate Assembly - Cylinder Cover	1
B96	16A-2-27	Washer - Lock 1/4"	3
B97	16A-2-28	Capscrew - Socket Head 1/4" - 28 x 1 3/4"	3
B98	16A-2-29	Cotter Pin 1/16" x 3/8"	1
B99	16A-2-30	Washer - Plate	1
B100	16A-2-31	Pin - Clevis	1
B101	16A-2-32	Fork - Unloader	1
	16A-2-34	Capscrew - Socket Head (Unloader Assembly to Crankcase) - 1/4 - 28 x 1	6
	16A-2-35	Washer - Capscrew Lock 1/4"	6
		<u>AIR CONDITIONING COMPRESSOR MOUNTING</u>	
*	16B-2-64	Cradle S/A - Air Conditioning Compressor Mounting Complete	1
**	16C-2-78	Cradle S/A - Air Conditioning Compressor Mounting Complete	1
*	16B-2-63	Cradle S/A - Lower	1
**	16C-2-79	Cradle S/A - Lower	1
*	16B-2-62	Cradle S/A - Upper	1
**	16C-2-84	Cradle S/A - Upper	1
	16C-2-3	Bushing - Black Neoprene	4
	16C-2-6	Pin - 3/4 Dia. - Connecting Upper & Lower Base	2
	16C-2-7	Washer - 3/16 Flat	4
	N.P.N.	Nut - 3/4 - 16 Hex.	4
	N.P.N.	Cotter Pin	4
	16C-2-8	Spacer - Air Conditioning Compressor Base Bushings	A.R.
	16C-3-5	Pulley - Air Conditioning Compressor Drive	1
	16C-3-6	Fan - Air Conditioning Compressor Pulley	1
	N.P.N.	Woodruff Key - #13 x 3/16" Wide	1

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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>AIR CONDITIONING COMPRESSOR MOUNTING (Cont'd)</u>	
		16.0206	
	16C-3-4	Bracket - Air Conditioning Cylinder Anchor on Compressor	1
	5B-5-52	Unibal Joint - Mounting Air Cylinder to Engine Cradle Bracket	1
		<u>AIR CYLINDER - AIR CONDITIONING COMPRESSOR</u>	
	5B-5-45	Air Cylinder - A/C Compressor Belt Tightener	1
1	5B-5-31	Yoke End Plate	1
2	5B-5-47	Cylinder - 2" I.D. x 3/16" Wall	1
3	5B-5-50	Piston - 2" Dia.	1
4	5B-5-37	Packing - For Piston	1
5	5B-5-39	"O" Ring - Yoke End Plate	1
6	5B-5-48	"O" Ring - Cylinder	1
7	5B-5-40	Retaining Ring	1
	N.P.N.	Fitting - Adaptor for Hose, 48 x 4	1
8	5B-5-51	Sponge Oiler	1
	4B-20-6	Hose S/A - C/W Fittings - Clutch Air Assist Line - 36" Long	1

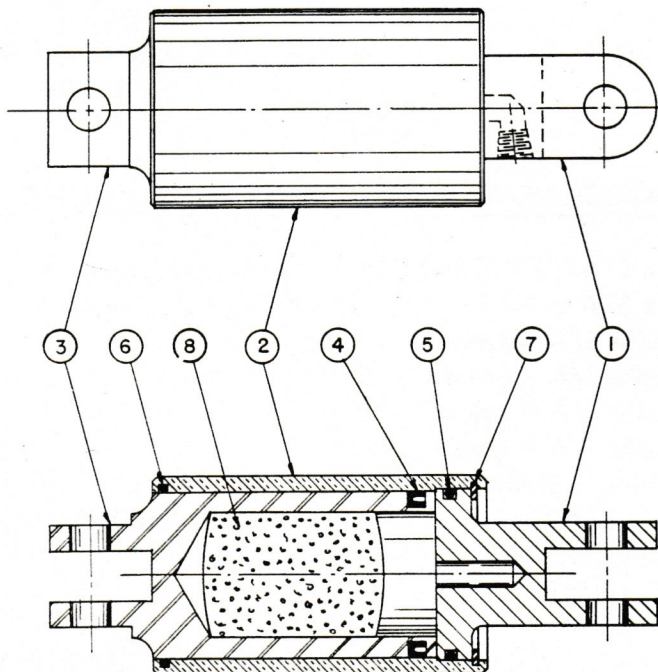


PLATE 16-3: AIR CYLINDER - A/C BELT TIGHTENER



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KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>CONDENSER ASSEMBLY</u> 16.0401	
	16B-4-1	Condenser Coil Assembly	1
	16A-4-2	Adapter - Outlet, #14 - 16	1
	16B-4-2	Adapter - Inlet, #10 - 12	1
	16B-4-3	Stop Arm Assy. - Condenser Door	1
	16A-4-6	Shoulder Bolt - Stop Arm to Condenser	1
	16A-4-10	Bracket S/A - Mtg. Stop Arm to Body	1
	16C-4-1	Shim - Condenser Support Block Front	A.R.
	16C-4-2	Shim - Condenser Support Block Rear	A.R.
	16A-4-4	Wedge - Condenser Door Closing	1
	3C-31-177	Condenser Door Assy.	1
	3C-31-178	Screen & Frame S/A	1
	3C-31-184	"J" Bolts - Fastening Screen to Bars	4
	N.P.N.	Lockwasher - #10	4
	N.P.N.	Nut - #10 - 24 Hex.	4
	N.P.N.	Stud - Dzus AJ 6 1/2 - 50	4
	N.P.N.	Grommet - Dzus GA 6 1/2 - 375	4
	3B-31-26	Bar - Reinforcing Screen	2
	3B-31-16	Frame S/A - Cond. Door	1
	3A-31-262	Hinge - 2 1/2" Open X 30"	1
	3C-31-252	Handle S/A - Cond. Door	1
	N.P.N.	Screw - #10 - 24 x 3/4 Ph. T. Hd.	8
	N.P.N.	Star Washer - #10 Med. Stl.	16
	N.P.N.	Nut - #10 Hex. Stl.	8

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KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>LIQUID RECEIVER ASSEMBLY</u> 16.0501	
	16B-5-1	Liquid Receiver Assembly	1
	16B-5-2	Sight Glass	2
	16B-5-3	Gland - Sight Glass	2
	16B-5-4	Gasket - Outer	2
	16B-5-5	Gasket - Inner	2
	16B-5-6	Purge Cock Assembly - 1/4"	1
	16B-5-7	Rupture Disc - 3/8"	1
	16B-5-8	Inlet Valve	1
	16B-5-9	Outlet Valve	1
	16B-5-10	Adapter Coupling - 37° Flare	2
	16B-5-11	Coupling Half - 3/8"	2
	16B-11-9	Bracket and Strap Assembly - Mounting Liquid Receiver Tank	2

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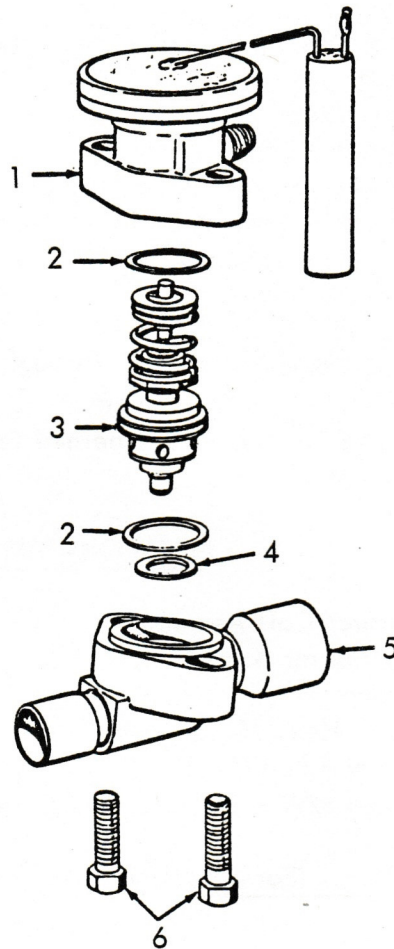


PLATE 16 - 24: THERMAL EXPANSION VALVE

PARTS MANUAL

MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 16-6	"	<u>EXPANSION VALVE ASSEMBLY</u> 16.0601	
1	16B-6-20	Thermal Expansion Valve Assembly	1
	16B-6-23	Power Element	1
	16A-6-8	Cap - Seal (Nut)	1
	16A-6-9	Bonnet - Seal (Flare)	1
	16A-6-10	Packing Nut - Adjusting Stem	1
	16A-6-11	Adjusting Stem and Packing Assembly	1
2	16A-6-12	Gasket - Body Flange	2
3	16B-6-22	Cage Assembly	1
4	16A-6-14	Gasket - Seat	1
5	16B-6-24	Body Flange - Straight Through	2
6	16A-6-16	Capscrew - Body Flange	1
	16B-6-19	Mounting Bracket - For Thermal Expansion Valve	1
	16B-6-25	Bulb Clamps	2
		<u>EVAPORATOR ASSEMBLY</u>	
	16B -6-1	Evaporator Coil Assembly	1
	16B-6-2	Distributor Assembly	1
	16B-6 3	Clamp	2
	16B-6-4	Nut - Hex. Head - 1/4"	1
	16B-6-5	Screw - Pan Head	1
	16B-7-27	Frame S/A - Evaporator and Heater Core	1
		<u>NOTE: (For Mountings See Group 16.07)</u>	

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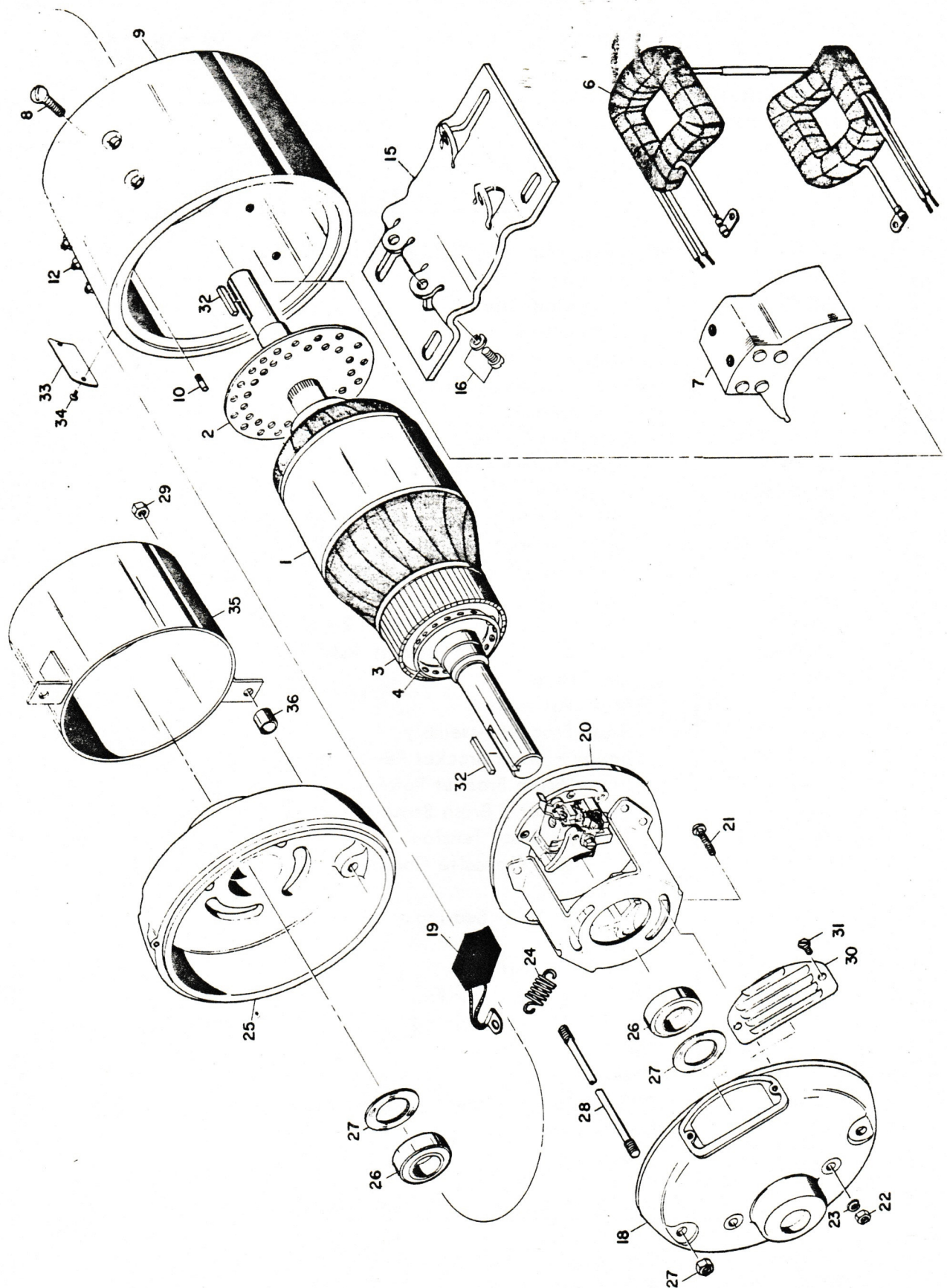


PLATE 16 - 25: CONDENSER MOTOR (2 H.P.)

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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate		Effective Prior to Coach Unit No. 5817	
16-19		<u>CONDENSER FAN & MOTOR</u> 16.0902	
	16C-9-10	Motor Assembly - 2 H.P. Model C-972A2	1
1	16C-9-12	Armature	1
2	16C-9-13	Balancing Disc	1
3	16B-9-28	Commutator	1
4	16B-9-29	Balancing Disc	1
5	16B-9-30	Frame and Coil Assembly	1
6	16B-9-31	Coil Assembly	1
7	16B-9-32	Pole Piece Assembly	2
8	16A-8-83	Screw - Pole Piece Retaining	4
9	16B-9-33	Frame	1
10	16A-8-85	Pin - End Frame Aligning	2
12	16A-8-87	Terminal Stud (5/16 - 18)	2
14	16A-8-90	Insulator Board	1
15	16B-9-36	Base	1
16	16A-8-96	Screw & Lockwasher - Base Retaining	4
17	16A-9-85	End Frame and Brush Bracket Assembly	1
18	16A-9-86	End Frame	1
19	16C-8-36	Brush Assembly	2
20	16B-8-13	Brush Bracket Assembly	1
21	16A-8-101	Screw - Brush Bracket Retaining	2
22	16A-8-102	Nut - Brush Bracket Retaining	2
23	16A-8-92	Lockwasher - Brush Bracket Retaining	2
24	16A-8-100	Spring - Brush Tension	2
25	16A-9-87	End Frame - Opposite Commutator End	1
26	16A-9-88	Ball Bearing	2
27	16A-8-109	Spring Washer - Bearing	2
28	16C-9-33	Thru Bolt	2
29	16A-8-113	Nut - Thru Bolt	2
30	16B-9-38	Cover - Commutator End	2
31	16A-8-105	Screw - Cover Retaining	4
32	16A-8-116	Key	2
33	16A-8-117	Name Plate	1
34	16A-8-118	Drive Screw - Name Plate Retaining	2
35	16C-9-14	Vent Assembly	1
36	16C-9-15	Spacer	2
		Effective With Coach Unit No. 5817	
	16C-9-11	Motor Assy. - 2 H.P. Model C-981	1
1	16C-9-21	Armature Assy	1
2	16C-9-22	Balancing Disc - Flat	1
3	16C-9-23	Commutator	1
4	16C-9-24	Balancing Disc - Cup	1



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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 16-19		Effective With Coach Unit No. 5817 <u>CONDENSER FAN & MOTOR (Cont'd)</u> 16.0903	
5	16B-9-30	Frame & Coil Assy.	1
6	16B-9-31	Coil Assy.	1
7	16B-9-32	Pole Piece Assy.	2
8	16A-8-83	Screw - Pole Piece Retaining	4
9	16B-9-33	Frame	1
10	16A-8-85	Pin - End Frame Aligning	2
12	16A-8-87	Terminal Stud - 5/16 - 18	2
14	16A-8-90	Insulator Board	1
15	16B-9-36	Base	1
16	16A-8-96	Screw & Lockwasher - Base Retaining	4
17	16C-9-25	End Frame & Brush Bracket Assy.	1
18	16C-9-26	End Frame	1
19	16C-8-36	Brush Assy.	2
20	16C-9-27	Brush Bracket Assy.	1
21	16C-8-39	Screw & Lockwasher - Brush Bracket Retaining	2
22	16C-9-28	Nut - Brush Bracket Retaining	2
23	16A-8-106	Washer - Brush Bracket Retaining	2
25	16C-9-29	End Frame - Opposite Commutator End	1
26	16C-9-30	Ball Bearing	2
27	16C-9-31	Spring Washer - Ball Bearing	2
28	16C-9-33	Thru Bolt	2
29	16A-8-113	Nut - Thru Bolt	4
30	16A-8-114	Cover - Commutator End	2
31	16C-8-45	Screw - Cover Retaining	4
33	16A-8-117	Nameplate	1
34	16A-8-118	Drive Screw - Nameplate Retaining	2
35	16C-9-14	Vent Assy. - Opposite Comm. End	1
36	16C-9-15	Spacer	2
	16C-9-32	Oil Seal - Both Ends	2
	16C-8-44	Oiler Assy. - Both Ends	2
	16C-8-43	Plug - Oiler Assy. - Both Ends	2
		<u>The following parts used with 16C-9-10 and 16C-9-11 Motors.</u>	
	16B-9-9	Fan Housing Assembly - Condenser Compartment	2
	16B-9-40	Inlet Ring - Housing Assembly	4
	16B-9-11	Screws - Round Head - Self-Tapping - #8 - 32 x 1/2" Long	16
	16B-9-12	Washers - #8 Self-Tapping Screws	16
	16B-9-41	Fan Wheel Assembly	2
	16B-9-14	Collars	2
	16B-9-15	Capscrews - Hex. Head - 1/4 - 28 x 1" Long	6
	16B-9-16	Lockwashers - 1/4" For Capscrews	6
	16C-9-1	Mounting Bracket - 2 H.P. Condenser Motor	1
	16C-9-2	Shim - 3/16 x 1/2	1

SECTION 17

Lavatory

GROUP INDEX

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Exhaust Fan & Motor	17.04
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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
		* Effective Prior to Coach Unit # 5515 ** Effective With Coach Unit # 5515	
		<u>NAMEPLATES</u> 17.0101	
	17C-1-29	Nameplate - "Unlatch And Pull To Open "	1
	17C-1-36	Nameplate - "Unlatch And Pull To Open " - Bilingual	1
	17C-1-28	Nameplate - "Unlatch And Push To Open "	1
	17C-1-35	Nameplate - "Unlatch And Push To Open " - Bilingual	1
	17C-1-30	Nameplate - "Emergency Only To Signal Driver "	1
	7C-8-78	Nameplate - "Emergency Only To Signal Driver " - Bilingual	1
	17C-1-26	Nameplate - "Lock Door To Turn On Light"	1
	17A-1-14	Nameplate - "Lock Door To Turn On Light" - Bilingual	1
	3C-15-125	Nameplate - "Washroom"	1
	17A-1-6	Sign Lens - "Washroom Occupied"	1
	17C-1-34	Sign Lens - "Washroom Occupied" Bilingual	1
	17C-1-31	Nameplate - Hand Towel Disposal Instructions	1
	3A-1-8	Nameplate - "Lavatory Alarm"	1
	17C-1-27	Nameplate - "Do Not Drink This Water"	1
	17C-1-23	Nameplate - Lavatory Drain Control	1
	17B-1-20	Nameplate - Lavatory Service Panel	1
		<u>WASTE PAPER CONTAINER</u>	
	17B-1-8	Waste Paper Container Assembly - Complete	1
	17B-1-53	Rubber Seal - Short - 5" Lg.	2
	17B-1-54	Rubber Seal - Long - 8 1/2" Lg.	1
		<u>LAVATORY MIRROR</u>	
	17C-1-4	Mirror Assembly - Complete	1
	17C-1-12	Backing Plate S/A	1
	17C-3-20	Panel - Plywood - Mirror Backing	1
	17B-1-64	Felt - Mirror Backing	1
	17C-1-9	Glass - Lav. Mirror	1
	17C-1-6	U-Channel - Mirror Mtg.	1
	N.P.N.	Screw - 1/4 - 20 X 1/2 Ph. T.H.	4
	N.P.N.	Washer - Flat - 3/8 SAE	4
	17C-1-15	Filler Strip - Lav. Mirror	4
		<u>ASH TRAY</u>	
*	17A-1-89	Ash Tray - C/W Bracket	1
**	17C-3-111	Ash Tray	1

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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>DEODORIZER</u> 17.0102	
	17A-1-65	Deodorizer - Lavatory	1
		<u>DISPENSERS</u>	
	17A-1-64	Tissue Dispenser	1
	17A-1-258	Towel Dispenser	1
	17C-1-39	Wet Towel Dispenser (Optional)	1
Plate 17-13		<u>SOAP DISPENSER</u>	
	17C-1-41	Soap Dispenser Assembly	1
1	17C-1-59	Piston - With 2 1/2" Spout	1
2	17C-1-46	Guide Screw	1
3	17C-1-57	Washer	1
4	17C-1-60	Lock Nut - Mounting	1
5	17C-1-49	Outer Pipe	1
6	17C-1-54	Piston & Supply Tube	1
7	17C-1-47	Spring	1
8	17C-1-43	Ball - Check	1
9	17C-1-50	Valve Seat	1
12	17C-1-58	Globe and Cover	1
10	17C-1-56	Cover - Metal	1
11	17C-1-45	Globe - Plastic	1
	17C-1-44	Key	1
	17C-1-42	Spacer - Dispenser Mtg.	1
		<u>TANKS AND MOUNTINGS</u> 17.0201	
	17C-2-1	Chemical Tank Assembly - C/W Insulation	1
	17B-2-15	Tank S/A	1
	17A-1-30	Bottle Stop S/A	1
	N.P.N.	Cap Screw - 1/4 - 20 X 3/4 hex. hd.	2
	N.P.N.	Nut - 1/4 - 20 Hex.	2
	N.P.N.	Lockwasher - 1/4	2
	17C-2-2	Retainer S/A - Insulation	1
	17C-1-22	Bracket & Plate S/A - Fill Level	1
	17C-2-17	Fresh Water Tank Assembly - Complete	1
	N.P.N.	Plug - 3152 X 4W	1
	17C-2-27	Waste Water Tank Assembly	1
	17C-2-38	Plate S/A - Closing at End of Tank	1

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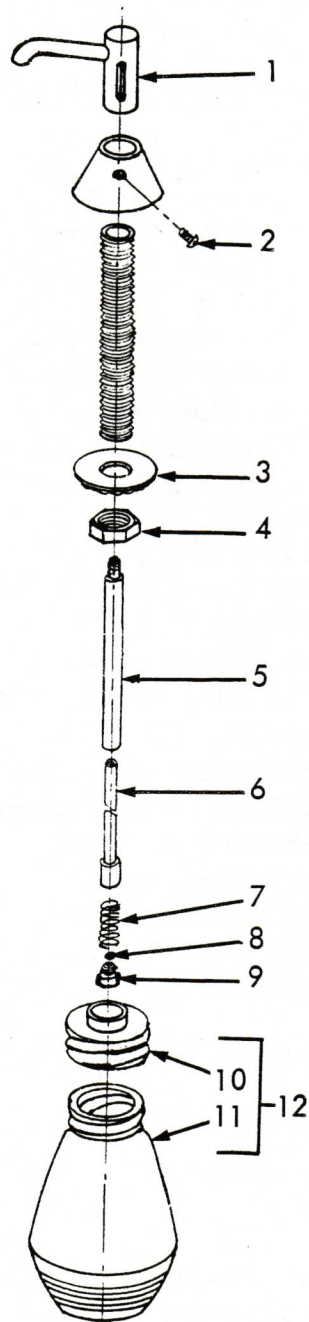


PLATE 17-13: SOAP DISPENSER

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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>COMPARTMENT PANELS</u> 17.0301	
	17C-3-14	Lavatory Seat & Side Wall Assembly	1
	17A-1-143	Panel S/A - Lavatory - Welded	1
	17B-1-8	Waste Paper Box S/A - Complete	1
	17B-1-53	Rubber Seal - Short	1
	17B-1-54	Rubber Seal - Long	1
	17C-3-61	Angle S/A - Vert. - Attaching Wall to Rear Cross Seat	1
	17A-1-316	Angle - Curved - Mtg. Lav. Wall at Rear	1
	17A-1-368	Strip - Long - Mtg. Floor Pan to Seat Panel - Rear	1
	17A-1-369	Strip - Short - Mtg. Floor Pan to Seat Panel - Side	1
	17A-1-331	Angle - Fastening Side Wall to Rear Cross Seat	1
	17C-3-63	Strip S/A - Fastening Side Wall to Rear Cross Seat	1
	17C-3-77	Angle - Rear of Lav. Side Wall	1
	17C-3-73	U-Channel - Mtg. Lav. Side Wall to Ceiling	1
	17C-3-39	Angle - Door Finishing Cap	1
	17C-3-76	U-Channel - Lav. Door Trim - Rear	1
	17C-3-75	U-Channel - Lav. Side Wall Trim - Front	1
	17C-3-110	U-Channel - Front Lav. Wall	1
	17C-3-85	Cap S/A - Finishing Above Lav. Door	1
	17C-3-36	Post S/A - Lav. Door	1
	17A-1-372	Hat Channel - Post at Kick Panel	1
	17A-1-357	Collar - Exhaust Tube - Lower	1
	17B-4-3	Collar S/A - Lav. Exhaust Outlet	1
	17A-1-652	Screen & Ring S/A - Lav. Exhaust	1
	17C-3-100	Seal & Cap S/A - Lav. Front Wall Seal W/O Storm Sash	1
	17C-3-54	Seal S/A	1
	17C-3-55	Channel Only	1
	17C-3-56	Seal Only	1
	17C-3-101	Cap S/A	1
	17C-3-57	Seal S/A - Lav. Front Wall Seal With Storm Sash	1
	17C-3-58	Channel Only	1
	17C-3-59	Seal Only	1
	17A-1-350	Lavatory Seat & Cover Assy. - Plastic	1
	17C-3-44	Lavatory Seat & Cover Assy. - Wood	1
	17A-1-352	Collar S/A - Seat Ring	1
	17A-1-349	Lavatory Seat S/A	1
	17A-1-321	Grab Rail S/A - At Sink	1
	17C-1-24	Grab Rail - Front Lav. Wall	1
	N.P.N.	Screw - 5/16 - 18 X 1 Mach	2
	N.P.N.	Screw - #10 X 1 1/4 Type A	10
	N.P.N.	Screw - #8 X 1/2 Type A	6
	N.P.N.	Screw - #4 X 1/2 Type A	6
	17C-3-66	Door Panel S/A - Complete	1
	17C-3-81	Panel Only - Plywood	1
	17C-3-65	Kick Panel - Inner	1

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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
<u>LAVATORY DOOR LOCK ASSEMBLY</u>			
Note			
17-12			
	17A-1-363	Door Lock Assembly	1
	17A-1-364	Key - Door Lock	1
1	17A-1-365	Follower	1
2	17A-1-366	Latch	1
3	17A-1-367	Spring	1
4	17A-1-370	Bolt	1
5	17A-1-371	Spring - Tumbler	1
6	17A-1-373	Thumb Piece	1
7	17A-1-374	Follower - Thumb Piece	1
8	17A-1-375	Handle	1
9	17A-1-376	Spindle	1
10	17A-1-378	Escutcheon Assembly	1
11	17A-1-379	Tumbler	1

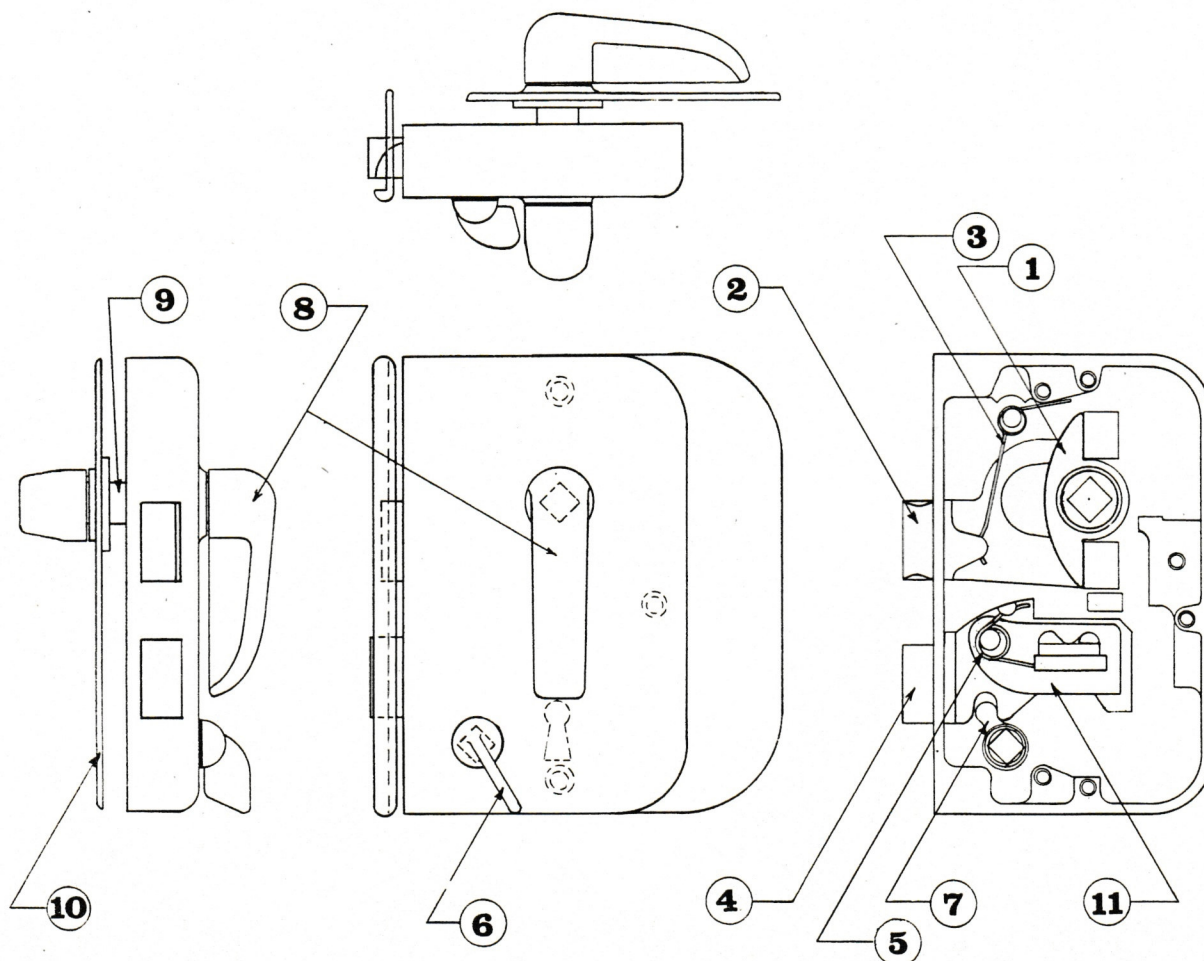


PLATE 17-12: LAVATORY DOOR LOCK ASSEMBLY

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MODEL MC-5A & MCC-5A			

KEY	PART NUMBER	DESCRIPTION	QTY.
		<u>COMPARTMENT PANELS (Cont'd)</u> 17.0302	
	17C-3-67	Kick Panel - Outer	1
	17C-3-68	U-Channel - Front Side	1
	17C-3-69	U-Channel - Top	1
	17C-3-82	Panel - Outer - Arborite	1
	17C-3-84	Panel - Inner - Consoweld	1
	N.P.N.	Screw - #6 x 3/4 Ph. OH	17
	17C-3-83	Molding - Finishing Inner	1
	17C-3-105	Track - Molding Retaining	1
	17A-1-468	Hinge - Lav. Door 1" x 70 3/8 Piano Type	1
	17A-1-363	Door Lock - Lavatory	1
	17A-1-381	Felt Strip - At Door Post	1
	17C-3-98	Chrome Binding - Above Lav. Door	1
	17C-3-86	Panel - Above Lav. Door	1
	17C-3-70	Panel S/A - Lav. Front Wall (Black with Gold Flitter)	1
	17C-3-112	Panel S/A - Lav. Front Wall (White with Gold Flitter)	1
	17C-3-90	Panel Only - Plywood	1
	17C-3-71	Panel - Inner - Stn. Stl.	1
	17B-3-24	Strip - Offset	1
	17C-3-91	Panel - Inner - Consoweld	1
	17C-3-92	Panel - Outer - Arborite (Black with Gold Flitter)	1
	17C-3-113	Panel - Outer - Arborite (White with Gold Flitter)	1
	17C-3-78	Plate S/A - Grab Rail Mtg. Inner	1
	17C-3-80	Plate - Grab Rail Mtg. Outer	1
	17C-3-93	Molding - Finishing Centre of Panel	1
	17C-3-106	Track - Molding Retaining	1
	17C-3-94	Panel S/A - Lav. Side Wall (Black with Gold Flitter)	1
	17C-3-114	Panel S/A - Lav. Side Wall (White with Gold Flitter)	1
	17C-3-95	Panel - Plywood	1
	17C-3-96	Panel - Outer - Arborite (Black with Gold Flitter)	1
	17C-3-115	Panel - Outer - Arborite (White with Gold Flitter)	1
	17C-3-97	Panel - Inner - Consoweld	1
		<u>EXHAUST FAN & MOTOR</u> 17.0401	
	17B-4-1	Motor & Blower S/A - Complete	1
	17B-4-10	Housing Only	1
	17B-4-11	Blower Wheel	1
	17B-4-12	Armature Assy.	1
	7C-15-196	Stator Assy.	1
	7C-15-197	Bearings	2
	7C-15-198	Brush & Spring Assy.	2
	7C-15-199	Brush Cap	2
	17B-4-13	Brush Head Assy.	2
	17B-4-14	Rear Head	1
	17B-4-15	Casebolts	2

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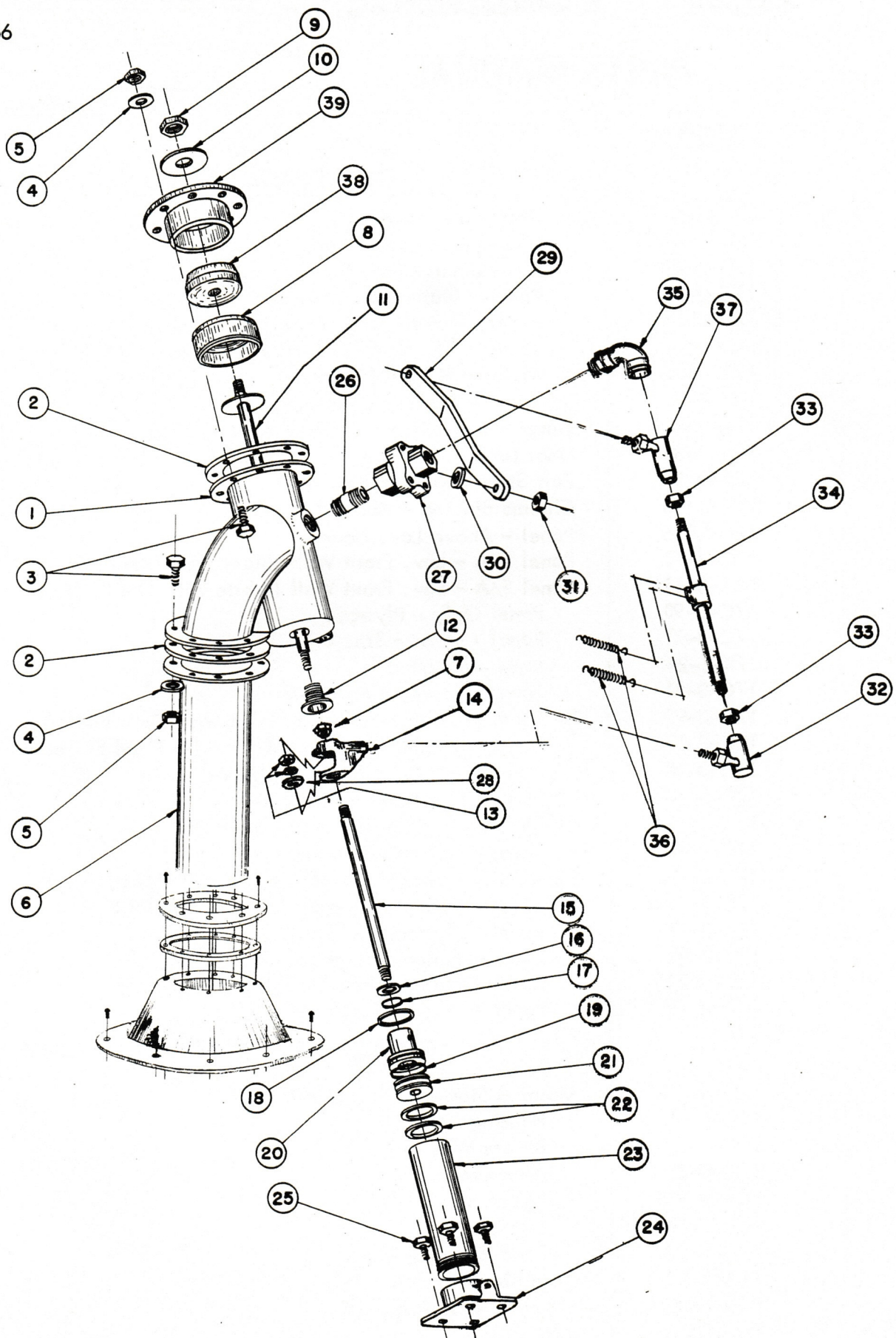


PLATE 17 - 6: LAVATORY DUMP CYLINDER ASSEMBLY



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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
		* Effective Prior To Coach Unit No. 5401 ** Effective With Coach Unit No. 5401	
		<u>EXHAUST FAN & MOTOR (Cont'd)</u>	
	7C-15-203	Brush Tube	2
	17B-4-8	Flange - Mtg.	1
	17A-1-200	Collar - Exhaust Extension	1
	7A-15-77	Inlet Ring	1
Plate 17-6		<u>AIR CYLINDER & DISCHARGE MECHANISM</u>	17.0501
	17B-5-16	Air Cylinder & Waste Discharge Assembly - Complete	1
	17B-5-20	Air Cylinder Assembly - Less Discharge Mechanism	1
24	17B-5-21	End Plate - Cylinder Mounting	1
23	17B-5-24	Cylinder Only - 2" I.D. X 3/16" Wall	1
22	5B-5-37	Packing - Piston	2
21	17B-5-26	Piston - 2" Diameter	1
19	5B-5-39	"O" Ring	1
20	17B-5-23	End Plate - Piston Rod Guide	1
18	5B-5-40	Retaining Ring - End Plate	1
17	17B-5-29	"O" Ring - Inner End Plate	1
16	17B-5-28	Seal - Wiper	1
15	17B-5-27	Piston Rod	1
25	N.P.N.	Bolt - 1/4 - 28 X 1"	4
	N.P.N.	Flat Washer - 1/4"	8
	N.P.N.	Lockwasher - 1/4"	4
14	17C-5-83	Casting - Connecting Air Cylinder to Dump Rod	1
13	N.P.N.	Nut - 1/2 - 20 Hex. - mtg. Casting to Cylinder	2
28	17C-5-92	Washer - Mtg. Casting to Cylinder	1
12	17B-5-86	Guide - Nylon - Plunger Rod	1
11	17B-5-101	Control Rod - Dump	1
38	17C-2-14	Plunger - Rubber	1
8	17C-2-12	Retainer - Plunger Retainer	1
9	N.P.N.	Nut - 1/2 - 20 N.F. Hex.	2
10	17B-5-102	Washer - Plunger Retainer	1
39	17C-2-11	Seat - Lavatory Pump Piston	1
2	17A-1-137	Gasket - Large - Drain Tube	2
26	N.P.N.	Nipple - 1" Diameter X 1/2" Long	1
*29	17B-5-88	Lever - Valve Control	1
**29	17C-5-77	Lever - Valve Control	1
35	17B-5-97	Elbow & Connector S/A - Waste Water Drain	1
	17B-5-98	Hose - Connecting to Elbow	1
30	N.P.N.	Star Washer - Internal Tooth - 3/8	1
7	N.P.N.	Jam Nut - 1/2 - 20	1

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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 17-6		* Effective Prior To Coach Unit No. 5401 ** Effective With Coach Unit No. 5401	
		<u>AIR CYLINDER & DISCHARGE MECHANISM (Cont'd)</u> 17.0502	
31	N.P.N. 17B-5-89	Nut - Hex. 3/8 N.F. - Lever - Valve Control Rod Assembly - Operate Waste Water Valve	1 1
32	17B-5-92	Ball Joint - Connecting T-Link	1
37	17B-5-91	Ball Joint - Short Thread	1
34	17B-5-90	Rod Only - Less Nylon Bushing	1
	17C-5-2	Nylon Bushing	1
33	N.P.N. 17C-5-3	Hex. Nut - 3/8 - 24 Jam Clip - Control Rod Bushing	2 2
36	17B-5-42	Spring - Bushing Retainer - Control Rod	2
*6	17C-5-31	Tube - Drain - Y-Dump - Casting to Motor Floor	1
**6	17C-5-73	Tube S/A - Lavatory Dump Drain	1
3	N.P.N.	Bolt - 1/4 - 28 X 3/4 - Dump Casting	16
4	N.P.N.	Flat Washer - 1/4 - Dump Casting	32
	N.P.N.	Lockwasher - 1/4 - Dump Casting	16
5	N.P.N.	Nut - Hex. 1/4 - 28	16
*1	17B-5-19	Y-Casting - Lavatory Dump Body	1
**1	17C-5-55	Y-Casting - Lavatory Dump Body	1
**	17C-5-54	Bracket - Mounting Dump Tube To Chemical Tank Angle	1
27	17B-5-9	Valve - Waste Water Drain	1
		<u>LINES AND FITTINGS</u>	
		+ Parts Not Used With Automatic Drain System o Added Parts Used With Automatic Drain System	
+	17B-5-76	Tube S/A - Fresh Water Tank To Faucet	1
o	17C-5-84	Tube S/A - Fresh Water Tank To Auto Drain Valve	1
o	17C-5-87	Tube - Manual To Auto. Drain Valve	1
o	N.P.N.	Male Run Tee - At Auto. Valve - 171 X 6W	1
o	N.P.N.	Bushing - Reducer - 3226 X 4W	1
o	17C-5-91	Nipple - Bottom Drain - Auto. Drain Valve	1
	17C-5-42	Tube Faucet Drain - Upper	1
	N.P.N.	Hose Clamp - M 12 Breeze	4
	N.P.N.	Grommet - #2281 A.I.R.	1
	N.P.N.	Male Connector - 168 X 6W	3
	N.P.N.	Male Run Tee - 171 X 6W	1
	N.P.N.	Male Connector 168 X 12 AW	1
	N.P.N.	Street Elbow - 707 - 2 - 4 90°	1
	N.P.N.	Elbow - 49 X 8W	1
	N.P.N.	Elbow - 169 X 8AW	1
	17C-5-41	Tube - Faucet Drain - Lower	1



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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
		* Effective Prior to Coach Unit No. 5439	
		+ Effective With Coach Unit No. 5439	
		# Effective Prior to Coach Unit No. 5844	
		/ Effective With Coach Unit No. 5844	
		x Effective Prior to Coach Unit No. 6411	
		o Effective With Coach Unit No. 6411	
		<u>LINES & FITTINGS (Cont'd)</u>	
	17C-5-40	Valve - Faucet Drain Line	1
	N.P.N.	Elbow - 90° - 3/8 x 3/8 Female, Faucet Drain Tube to Valve	1
	N.P.N.	Long Nut - 3/8 #2102 x 6 B.W., Tube to Elbow	1
#	17C-5-45	Tube - Sink to Trap	1
/	17C-5-108	Tube - Sink to Trap	1
#	17C-5-46	Trap S/A - Sink Drain	1
/x	17C-5-107	Trap S/A - Sink Drain	1
o	17C-5-126	Trap - Sink Drain (Rubber)	1
	17A-1-2	Plug & Chain S/A	1
#	17A-1-435	Nipple - Sink Drain Tube	1
#	N.P.N.	Adapter - 3/4" Female, Drain Tube to Trap	1
#	N.P.N.	"O" Ring - In Adapter	1
/x	N.P.N.	Adapter - #27646 Male, Emco, Drain Tube to Trap	1
o	17C-5-125	Adapter - Drain Tube to Trap	1
o	N.P.N.	Clamp - Rubber Trap, OS200M48W Breeze	1
/x	N.P.N.	Nut - Drain Tube to Adapter, 1 1/4"	1
x	17B-5-37	Hose - Sink Overflow	1
	N.P.N.	Hose Clamp - M-10 Breeze	2
o	17C-5-132	Hose - Sink Overflow	1
x	17C-5-13	Hose - Sink Trap to Tee S/A, 13 1/2"	1
x	17C-5-14	Hose - Sink Drain to Waste Water Tank, 71 1/2"	1
o	17B-5-54	Hose - Sink Trap to Waste Water Tank	1
o	N.P.N.	Hose Clamp - M-12 Breeze	2
x	17C-5-52	Tee S/A - Sink Trap Drain	1
x	17C-5-53	Coupling - Tee to Drain Valve	1
x	17C-5-93	Valve - Sink Trap Drain	1
x	17C-1-32	Cable Assy. - Sink Trap Drain Valve	1
o	17C-5-133	Strainer - Inside Drain Tube	1
	17C-5-127	Hose - Lavatory Flushing	1
	17C-5-128	Valve - Lavatory Flushing Hose	1
	N.P.N.	Nipple - Flushing Hose	1
	17B-5-50	Coupling - Fresh Water Filler	1
	17A-1-186	Cap - For Coupling	1
	17B-5-65	Line S/A - Fresh Water Inlet	1
*	17C-5-22	Tube - Fresh Water Overflow - 3/4 O.D. x 26"	1
*	17C-5-43	Tube S/A - Fresh Water Overflow - 3/4 O.D. X 52"	1
*	16A-11-25	Hose - Fresh Water Overflow Tubes Connecting	1

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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
		+ Effective With Coach Unit No. 5439 * Effective Prior to Coach Unit No. 5401 ** Effective With Coach Unit No. 5401	
		<u>LINES & FITTINGS (Cont'd)</u>	
+	17C-5-79	Tube - Fresh Water Overflow - 3/4 O.D. X 22 5/8"	1
+	17C-5-80	Tube S/A - Fresh Water Overflow - 3/4 O.D. X 52 7/8	1
+	9C-6-11	Hose - Fresh Water Overflow Tubes Connecting	1
	17C-5-23	Hose - Overflow Line to Flapper Valve - 3/4 I.D. X 2 1/2	1
	17C-5-24	Flapper Valve S/A	1
	17B-5-56	Line S/A - Waste Water Tank Drain	1
	N.P.N.	Adapter - Tank to Elbow - 704 - 2 1" Nibco	1
	17B-5-98	Hose - 1 1/2" O.D. X 7", Waste Water Line to Valve	1
	17B-5-60	Hose - Lav. Floor to Tee, 3" Lg.	1
	17B-5-59	Hose - Tee to Eng. Floor, 22 3/4" Lg.	1
	17C-5-4	Tee S/A - Lav. Floor Drain	1
	N.P.N.	Connector - Tee to Elbow - #603 - 2 Nibco	1
	N.P.N.	Elbow & Nut - 169 x 6W	1
Plate	17A-1-269	Flange S/A - Drain Hose Mtg.	1
17-9	17B-4-9	Hose - Lav. Exhaust, 2 1/2 Flex	1
	17B-5-105	Clamp - Exhaust Hose, Rear	1
	17B-5-12	Valve - Waste Water Drain	1
1	17B-5-125	Body	1
2	17B-5-126	Cap	1
4	17B-5-127	Stem	1
5	17B-5-128	Disc	1
6	17B-5-129	Ball - Bronze	1
7	17B-5-130	Seat	1
8	17B-5-131	Spring	1
9	17B-5-132	"O" Ring	2
10	17B-5-133	"O" Ring	1
11	17B-5-134	"O" Ring	1
12	17B-5-135	Nut	1
13	17B-5-136	Screw	4
3*	17B-5-88	Lever - To Control Linkage	1
3**	17C-5-77	Lever - To Control Linkage	1
	17B-5-10	Street Elbow - Inlet Side of Valve	1
	17B-5-11	Adapter - Inlet Side of Valve	1
	17C-5-37	Valve Assembly - Lavatory Control Panel Dump	1
	17C-5-116	Body - Outlet	1
	17C-5-117	Disc Assembly	1
	17C-5-118	Knob	1
	17C-5-119	Screw	1
	17C-5-120	Nut	1
	17C-5-123	Service Kit - Dump Valve, Consists of Seal Ring, "O" Ring & Spring	1

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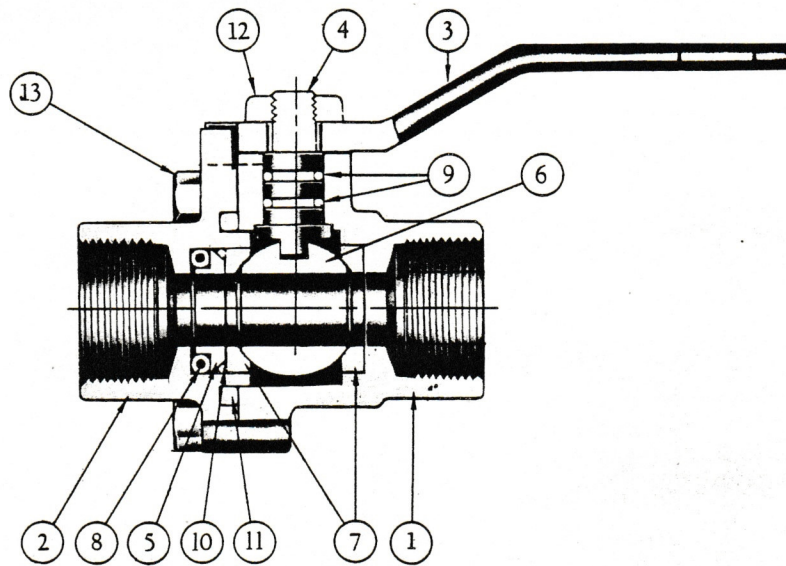


PLATE 17 - 9: WASTE WATER DRAIN VALVE

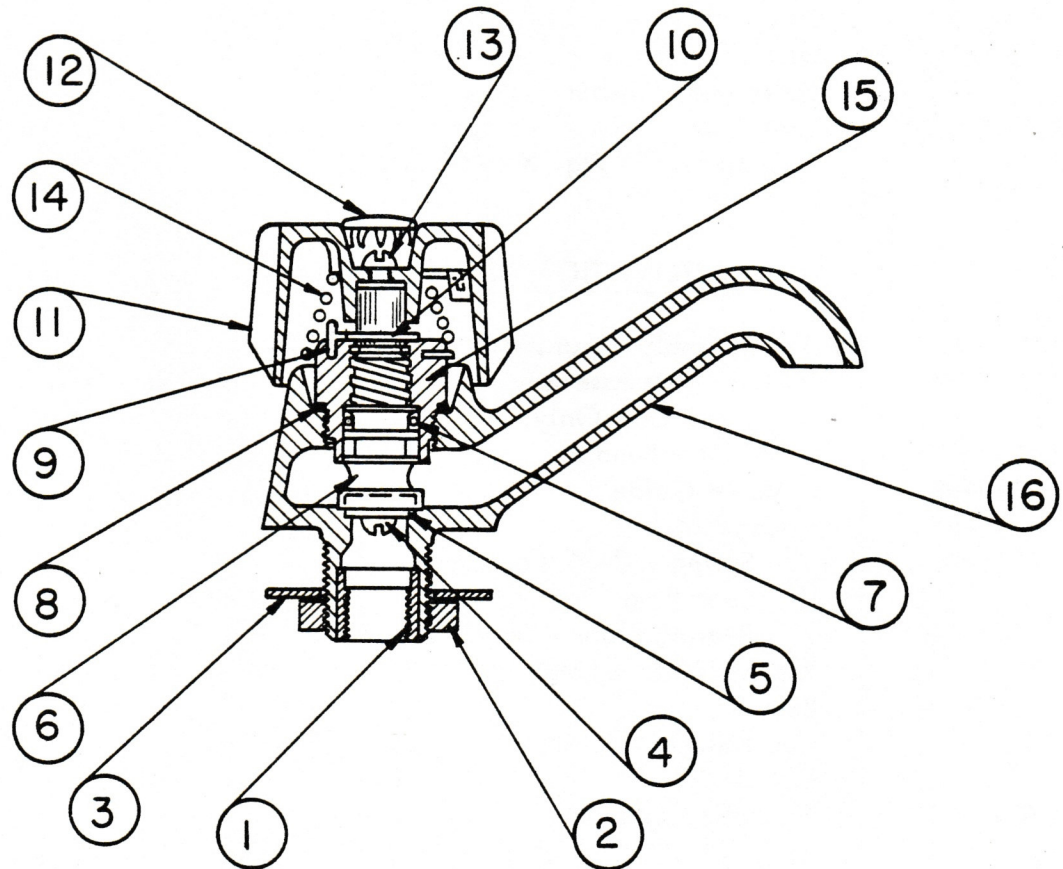


PLATE 17 - 11: FAUCET ASSEMBLY

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MODEL MC-5A & MCC-5A

KEY	PART NUMBER	DESCRIPTION	QTY.
Plate 17-11	<u>VALVES (Cont'd)</u>		
	<u>FAUCET ASSEMBLY</u> 17.0505		
	17C-5-30	Faucet Assembly	1
16	17C-5-71	Body	1
15	17C-5-70	Bonnet	1
14	17C-5-69	Spring	1
13	17C-5-68	Handle Screw	1
12	17C-5-67	Button "C"	1
11	17C-5-66	Handle	1
10	17C-5-65	Stop Washer	1
9	17C-5-64	Drive Pin	1
8	17C-5-63	Bonnet Gasket	1
7	17C-5-62	"O" Ring	1
6	17C-5-61	Stem	1
5	17C-5-60	Disc	1
4	17C-5-59	Disc Screw	1
3	17C-5-58	Corrugated Washer	1
2	17C-5-57	Lock Nut	1
1	17C-5-56	Bushing - 1/2" Ftg. X 1/4" F.I.P.	1
Plate 17-14	<u>AUTOMATIC WATER DRAIN VALVE</u>		
	17C-5-88	Valve Assembly - Automatic Water Drain	1
13	17C-5-94	Thermal Unit Assembly	1
1	17C-5-95	Thermal Unit Only	1
11	17C-5-97	Poppet - Buna S	1
12	17C-5-98	Valve Guide	1
4	17C-5-96	Cage	1
2	17C-5-99	Spring - Over Temperature	1
9	17C-5-100	Snap Ring	1
10	17C-5-101	Bearing Plate - Small	1
3	17C-5-102	Bearing Plate - Large	1
5	17C-5-103	Body	1
6	17C-5-104	Cap and Adj. Screw	1
7	17C-5-105	Gasket	1
8	17C-5-106	Operating Spring	1

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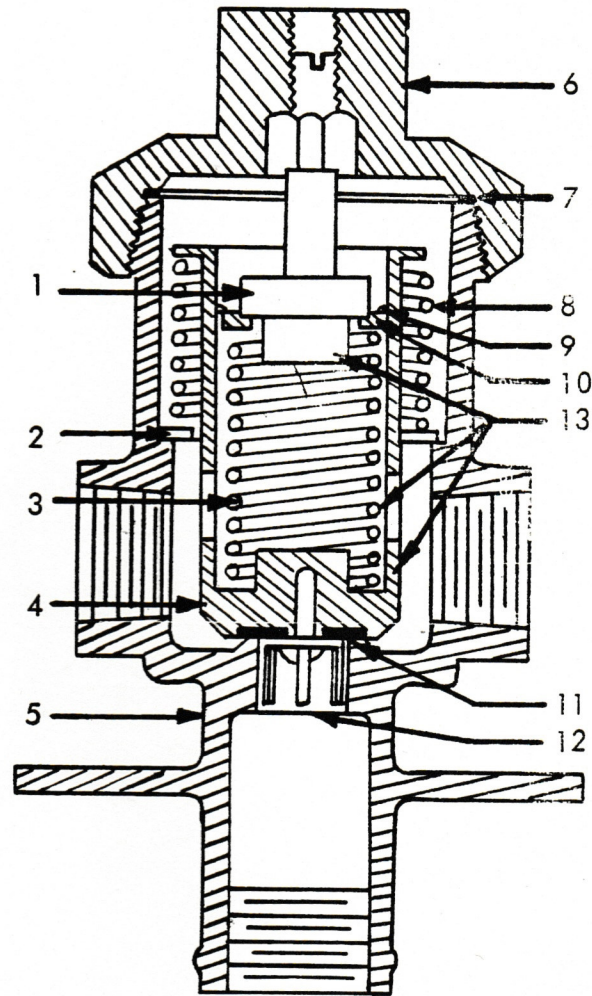


PLATE 17 - 14: AUTOMATIC WATER DRAIN VALVE

ALPHABETICAL INDEX

Description	Group Or Page No.	Description	Group Or Page No.
ABSORBER:		BAND:	
Shock (Air Suspension)	12.0501	Air Tanks	4.1901
		Muffler	8.2001
ADAPTER:		BAR:	
Air Compressor Air Inlet	4.0702	Bumper	3.2101
Check Valve	9.0501	Bumper Tie	3.2401
Condenser Coil Inlet & Outlet	16.0401	Buss - Electrical	7.1303
Faucet Adapter	17.0501	Luggage Retaining	3.0803
Height Control Valve (Front)	12.0601	Sash Release	3.2715
Height Control Valves (Rear)	12.0602	Sash Frame Tie	3.2701
Liquid Receiver Coupling	16.0501	Sash Trim	3.2716
Modulating Valve	16.0203	Shutter Control	6.0201
Oil Cooler	Page 8-40	Spare Tire Retaining	3.3107
Power Steering Booster Cylinder	11.0701	Wrench - Wheel	15.0101
Power Steering Pump Casting	11.0901		
Rear Axle Drive	2.0303		
Waste Water Drain Valve	17.0503		
		BASE:	
ADJUSTER:		Accelerator & Brake Pedal	4.1501
Differential Bearing	2.0303	Air Conditioning Compressor Mtg.	16.0205
Slack - Front Axle	4.0301	Modesty Panel - At Floor	3.0201
Slack - Rear Axle	4.0601	Windshield Fan	7.1701
AIR CLEANER	Page 8-34		
AIR COMPRESSOR	4.0701	BATTERY	7.0901
AIR CONDITIONING COMPARTMENT	16.1201	BATTERY COMPARTMENT	3.6101
ALARMSTAT	Page 8-43	BEAM - AIR SUSPENSION - Front	12.0101
ARM:		BEAM - AIR SUSPENSION - Rear	12.0301
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Height Control Valve Adjusting	12.0603	Main Engine Crankshaft	Page 8-5
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Rocker - Exhaust Valve	Page 8-19	Camshaft	Page 8-15
Steering - Front Axle	1.0101	Engine Connecting Rod	Page 8-12
Steering Gear	11.0101	Main Engine Crankshaft	Page 8-5
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Driver's Heater Motor	7.1503	Air Conditioning Compressor	16.0204
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		Blower Drive Support	Page 8-36
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Rear	2.0101	Clutch Linkage	5.0501
		Clutch Release	13.0601
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		Door Operating Rod	3.1001
		Door Operating Handle Bracket	3.1001
		Driver's Heater Control	7.1502
		Engine Camshaft	Page 8-15
B		Engine Connecting Rod	Page 8-12
BAGGAGE COMPARTMENT PANELS	3.3601	Engine Crankshaft	Page 8-5
BAGGAGE RACK - Inside	3.0801	Engine Idler Gear	Page 8-9
		Engine Water Pump	6.0301
BALL:		Gear Shift Linkage	13.0703
Mainshaft 3rd Gear Sleeve Lock	13.0204	Generator	7.0301
Gear Shift Poppet	13.0203	Governor	Page 8-27
Remote Gear Shift	13.0701	Governor Lever Shaft	Page 8-27
Safety Valve	4.1701	Governor Operating Shaft	Page 8-27
Soap Dispenser - Spring	17.0102	Governor Weight Shaft	Page 8-27
Steering Arm	1.0202	Governor Throttle Shaft	Page 8-27
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Waste Water Drain Valve	17.0502	Mainshaft - Center	Page 8-5
Windshield Fan Swivel Socket	7.1701	Pilot Clutch	5.0401
Windshield Wiper Control Valve	3.3403		

B

B

BEARING: (Continued)

Pinion Shaft - Rear	2.0302
Propeller Shaft	14.0101
Rear Brake Chamber	4.0501
Rear Drive Pinion	2.0302
Release - Clutch	13.0601
Speedometer Head	7.0803
Steering Column	11.0201
Steering Gear Shaft	11.0101
Steering Knuckle Thrust	1.0201
Steering Wheel Shaft	11.0201
Thrust - Steering Knuckle	1.0201
Transmission Counter Shaft	13.0301
Transmission Main Drive Gear	13.0301
Transmission Drive Gear Pocket	13.0301
Transmission Main Shaft	13.0301
Transmission Reverse Idler Gear	13.0301
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Wheel Brake Camshaft (Front)	4.0101
Wheel Brake Camshaft (Rear)	4.0401
Windshield Wiper Motor	3.3402

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BELT:

Crankshaft to Blower Drive	Page 8-7
Crankshaft to Freon Compressor	Page 8-7
Engine to Generator	Page 8-7

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Windshield Fan	7.1701
Windshield Wiper	3.3403

BLOWER:

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BLOCK:

Air Compressor Cylinder	4.0701
Air Conditioning Compressor Cylinder	16.0201
Baggage Door Handle	3.2901
Clutch Cover Plate	5.0201
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BODY:

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-------------------	--------

BOLT:

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Air Compressor Discharge Filter	4.0901
Air Suspension Bellows	12.0101
Blower Housing & Damper	6.0501
Blower Drive Mounting	6.0604
Brake Shoe Lining	4.0401
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Entrance Door Latch	3.1003
Entrance Door Release Arm	3.1002
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Propeller Shaft Mtg.	14.0101
Starter Motor	7.0103
Thermostat Housing	6.0401
Windshield Wiper Motor	3.3403

BOOT:

Accelerator Linkage Ball Joint	9.0402
Accelerator Pedal	9.0401
Brake Chamber - Rear	4.0501
Brake Valve	4.1502
Destination Sign Box Outlet	3.2501
Driver's Heater Damper	7.1501
Starter Switch	7.0602

BOX:

Destination Sign	3.2501
Ticket	3.1502

BRACKET:

Accelerator Front Cross Shaft	9.0401
Air Brake Application Valve	4.1502
Air Conditioning Compressor Air Cyl.	16.0205
Air Compressor Discharge Filter	4.0901
Air Line Junction	4.2002
Air Suspension Control Valve	12.0601
Air Tank Support	4.1901
Baggage Door Lock Rod	3.2901
Baggage Rack Support	3.0801
Blower Housing Damper	6.0501
Brake Chamber - Front	4.0101
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Clutch Linkage - Transmission	5.0503
Clutch Cross Shaft - Transmission	5.0502
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Door Operating Handle	3.1001
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Entrance Door Upper Hinge	3.1002
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Retaining	12.0101
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Hi & Lo Pressure Switch	16.1003
Horn Mounting	7.0501
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Inversion Valve Mounting	4.2901

B

BRACKET: (Continued)

Liquid Receiver Tank	16.0501
Main Luggage Rack Support	3.0801
Microphone Mounting	7.1303
Muffler Support	8.2001
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Perry Water Filter	6.0801
Power Steering Filter	11.0801
Reflector Mounting (Front)	3.3301
Radiator Shutter Air Cylinder	6.1002
Radiator Support	6.0101
Radius Rod Pin Pin - Removeable	12.0302
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Tell-Tale Light Mounting	3.0101
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BRAKE DRUM - Rear	15.0301
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BREATHES:

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Fuel Tank	9.0601

BRUSH:

Condenser Motor	16.0901
Driver's Heater Motor	7.1603
Sending Unit Rotor	7.0803
Starting Motor	7.0102
Underfloor Heater Blower Motor	16.0801

BULB

7.1001

BULKHEAD

3.3601

BUMPER

3.2101

BUSHING:

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Brake Pedal	4.1501
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Entrance Door Control Rod	3.1003
Entrance Door Control Mounting Bracket	3.1001
Entrance Door Handle	3.1002
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Gearshift Linkage	13.0702
Radius Rod - Front	12.0101
Radius Rod - Rear	12.0301
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Slack Adjuster - Front	4.0301
Slack Adjuster - Rear	4.0601
Shutter Air Cylinder	6.1002
Speedometer Drive (at trans.)	13.0501
Speedometer Head	7.0803
Starting Motor	7.0101
Steering Knuckle	1.0201
Steering Knuckle King Pin	1.0201
Steering Gear	11.0101

B

BUSHING: (Continued)

Wheel Brake Camshaft - Front	4.0101
Wheel Brake Camshaft - Rear	4.0401

BUTTON:

Thrust - Clutch Release Lever	13.0601
Horn	11.0202

BUZZER:

Alarm	7.0802
Passenger Signal	7.0802

C

CABLE:

Battery Compartment	7.0901
Battery to Starting Motor	7.1203
Horn	11.0201
Front Heater (Driver's)	7.1501
Miscellaneous (Electrical)	7.1201
Speedometer - Front (Electrical)	7.1203
Speedometer - Rear (Electrical)	7.1204

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Pinion Shaft Bearing	2.0301

CAM:

Air Inlet Housing Page 8-34

CAMSHAFT:

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Wheel Brake - Rear	4.0401

CAP:

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Dust, Universal Joint Slip Yoke	14.0101
Engine Crankshaft Bearing	Page 8-6
Front Hub	15.0201
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Horn Button	11.0201
Mainshaft Rear Bearing	13.0204
Radiator Surge Tank	6.1401
Steering Knuckle Pin	1.0201
Trans. Output Shaft Bearing	13.0204
Universal Joint Bearing	14.0101
Valve Spring	Page 8-20

CAPPING:

Front Corner Post	3.3501
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CARRIER:

Differential Assembly	2.0301
Differential Complete	2.0301

CASE:

Differential - Less Gears	2.0302
Transmission	13.0101

CATCH:

Baggage Compartment Door Lock	3.2901
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C

CATCH: (Continued)

Battery Compartment Door 3.3001
 Battery Compartment Door Prop 3.3001

CENTER - Front Axle 1.0101

CHAIN:

Baggage Compartment Door 3.2901

CHAMBER :

Front Brake 4.0201
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CHANNEL:

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 Muffler Page 8-45
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 Radiator Hose 6.0803

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 Air Box Drain Page 8-2
 Air, Discharge Filter 4.0901
 Air, Engine Page 8-34

CLIP:

Buzzer Cord 3.0802

CLUSTER - Instrument

7.1304

CLUTCH

5.0101

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